17224 U.S. PTO
072806

NEW UTILITY PATENT APPLICATION TRANSMITTAL

(only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket Number	25370-11880
First Named Inventor	Seul Ki CHOI
Title	Method For Selecting And Controlling Second Work Process During First Work Process In Multitasking Mobile Terminal
Express Mail Label No.	EV 542675855US

112949 U.S.PTO
11/495863
072806

APPLICATION ELEMENTS

1. ☒ Fee Transmittal Form (in duplicate)
2. ☐ Applicant claims small entity status. See 37 CFR 1.27
3. ☒ Specification — *Total Pages* 21
   (preferred arrangement set forth below)
   - Descriptive Title of the Invention
   - Cross Reference(s) to Related Case(s)
   - Statement Regarding Fed sponsored R & D
   - Background of the Invention
   - Brief Summary of the Invention
   - Brief Description of the Drawing(s)
   - Detailed Description
   - Claim or Claims
   - Abstract of the Disclosure
4. ☒ Drawing(s) *(35 U.S.C. 113)* — *Total Sheets* 10
5. Oath or Declaration
   a. ☒ New Declaration — *Total Pages* 2
      ☒ Executed (original or copy)
   b. ☐ Copy from a prior application (37 CFR 1.63(d))
      (for continuation/divisional with Box 18 completed)
      i. ☐ DELETION OF INVENTOR(S)
      Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ACCOMPANYING APPLICATION PARTS

7. ☒ Assignment Papers (cover sheet & document(s))
8. ☒ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
9. ☒ Power of Attorney or Authorization of Agent
10. ☐ 37 CFR 3.73(b) Statement
11. ☐ Preliminary Amendment
12. ☐ Information Disclosure Statement & PTO/SB/08A
    ☐ Copies of IDS Citation(s)
13. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent
14. ☒ Return Postcard
15. ☒ Transmittal of Priority Document
16. ☐
17. ☐

ADDRESS TO:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

18. **If a CONTINUING APPLICATION,** *check appropriate box and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:*

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: /

Prior application information: *Examiner:* _____ *Group/Art Unit:*

For **CONTINUATION OR DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuing or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ *Customer Number* 00758

Name (Print/Type)	Jae Won Song	*Registration No. (Attorney/Agent)*	Ltd. Rec. No. L0203
Signature		*Date*	July 28, 2006

25370/11880/DOCS/1643405.1

Effective on 12/08/2004. *Fees pursuant to the Consolidated Appropriations Act. 2005 (H.R. 4818).*	*Complete if Known*	
FEE TRANSMITTAL **For FY 2006**	Application Number	Unknown
	Filing Date	Unknown
	First Named Inventor	Seul Ki Choi
☐ Applicant claims small entity status. See 37 CFR 1.27	Examiner Name	Unknown
TOTAL AMOUNT OF PAYMENT ($) 1,040.00	Art Unit	Unknown
	Attorney Docket No.	25370-11880

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ Other (please identify):

☐ Deposit Account Deposit Account Number: 19-2555 Deposit Account Name: Fenwick & West LLP

☒ Charge all required fee(s) or any underpayment of fee(s) ☒ Credit any overpayments

due under 37 CFR §1.16 or §1.17 during the pendency of this application

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

	FILING FEES		SEARCH FEES		EXAMINATION FEES		
		Small Entity		Small Entity		Small Entity	
Application Type	Fee ($)	Fee ($)	Fee ($)	Fee ($)	Fee ($)	Fee ($)	Fees Paid ($)
Utility	300	150	500	250	200	100	**1,000.00**
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Small Entity Fee	Small Entity Fee
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims		Extra Claims		Fee ($)		Fee Paid ($)	Multiple Dependent Claims Fee ($)	Multiple Dependent Claims Fee Paid ($)
8	- 20 or HP =	0	x	50	=	0.00		

HP = highest number of total claims paid for, if greater than 20

Total Independent Claims		Extra Claims		Fee ($)		Fee Paid ($)
2	- 3 or HP =	0	x	200	=	0.00

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

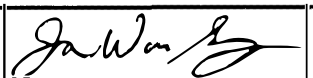
If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets		Extra Sheets		Number of each additional 50 or fraction thereof		Fee ($)		Fee Paid ($)
31	- 100 =	0	/ 50 =	(round up to a whole number)	x		=	0.00

4. OTHER FEE(S)

	Fees Paid ($)
Non-English Specification, $130 fee (no small entity discount)	
Assignment:	**40.00**
Other:	

SUBMITTED BY

Signature		Registration No.: (Attorney/Agent) Ltd. Rec. No. L0203	Telephone: (650) 335-7164
Name (Print/Type)	Jae Won Song		Date: July 28, 2006

25370/11880/DOCS/1643381.1

METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL

CROSS-REFERENCE TO RELATED PATENT APPLICATIONS

[0001] This application claims the benefit of Korean Patent Application No. 10-2005-73877 filed on August 11, 2005 and Korean Patent Application No. 10-2005-102198 filed on October 28, 2005 in the Korean Intellectual Property Office, the disclosure of which is incorporated herein in their entirety by reference.

BACKGROUND OF THE INVENTION

1. Field of the Invention

[0002] The present invention relates to a method for controlling a plurality of work processes in a multitasking mobile terminal, and more particularly, to a method for selecting a second work process during a first work process and controlling a predetermined function of the selected second work process.

2. Description of the Related Art

[0003] With the recent advance of mobile communication technology, various kinds of mobile terminals such as hand-held phones and personal digital assistants (PDAs) are commercially available. The mobile terminals have a wireless

communication function, a camera function, a multimedia play function, an Internet connection function, and the like. Also, as the performance of microprocessors built in the mobile terminals is improved, a plurality of work processes can be performed concurrently. For example, an MP3 music file can be played during a phone call, or a short message service (SMS) message can be sent while an MP3 music file is played.

[0004] FIG. 1 is a functional block diagram of a conventional multitasking mobile terminal that concurrently performs a plurality of work processes. A mobile chipset 1 controls an overall operation of the mobile terminal according to user commands. The mobile chipset 1 transmits a control signal through a data bus 3 to a camera module 5, an MP3 module 7, and an Internet module 9 according to the user commands. Work processes of the camera module 5, the MP3 module 7, and the Internet module 9 are concurrently performed according to the control signal.

[0005] FIG. 2 is a flowchart illustrating a conventional method for selecting a second work process during a first work process in a multitasking mobile terminal that concurrently performs a plurality of work processes. In step S10, while a first work process is performed, a user command for a second work process is inputted. In step S12, a menu window for selecting a new work process is displayed on a display of the mobile terminal in response to the user command. In step S14, the user selects a desired new work process through the displayed menu window. In

steps S16 and S17, when the user wants to change the selected process into another new process, the selected work process is terminated. In step S18, a user command for selecting the another new work process is inputted. In step S19, the another new work process is selected through the displayed menu window in response to the user command.

[0006] FIG. 3 is a flowchart chart illustrating a conventional method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that concurrently performs a plurality of work processes.

[0007] In step S20, assuming that the first work process is an MP3 play process and the second work process is an SMS message creation process, a first command of user for the SMS message creation process is inputted while an MP3 music file is played. In step S21, a screen for the SMS message creation process is displayed in response to the first command of user, and the SMS message creation process is performed while the MP3 music file is played. In step S23, it is determined whether or not a second command of user for controlling a function of the MP3 play process is inputted while an SMS message is created. In steps S25 and S27, when the second command of user is inputted, the SMS message that is being created is stored in the memory and the SMS message creation process is terminated. In step S29, after the termination of SMS message creation process, the function of the MP3 play process is controlled. When the SMS message creation process is

terminated, a screen for the MP3 play process is again displayed, and a third command of user for controlling the function of the MP3 play process is inputted. A control signal corresponding to the third command of user is generated and the function of the MP3 play process is controlled.

SUMMARY OF THE INVENTION

[0008] In the conventional method for selecting the work process, when selecting a wok process that is concurrently performed, the user has to select a new work process through a displayed menu window. Also, in order to terminate a predetermined work process among a plurality of work processes that are concurrently performed and select a new work process, the user has to select the new work process through the menu window.

[0009] Also, in the conventional method for controlling a function of the work process, the user has to terminate an SMS message creation process so as to control a function of an MP3 play process (e.g., volume control, list selection of MP3 music files) while creating an SMS message. In case where the SMS message creation process is terminated, the SMS message that is being created is deleted or stored in a predetermined memory space such as a temporary mailbox. Consequently, the conventional method is inconvenient in that the user has to again

select the SMS message creation process and create the SMS message or reload the SMS message stored in the temporary mailbox.

[0010] The present invention provides a method for selecting a work process of a multitasking mobile terminal through an icon corresponding to the work process.

[0011] The present invention also provides a method for controlling a function of a work process through an activated pop-up menu in a multitasking mobile terminal that concurrently performs a plurality of work processes.

[0012] According to an aspect of the present invention, there is provided a method for selecting a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process. The selecting method includes: inputting a user command for selecting the second work process; and displaying an icon corresponding to the second work process in response to the user command, and selecting the second work process based on the displayed icon.

[0013] According to another aspect of the present invention, there is provided a method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process. The controlling method includes: inputting a first command of user for selecting a predetermined function of the second work process; activating a pop-up menu for controlling the predetermined

function of the second work process in response to the first command of user; and controlling the predetermined function of the second work process through the activated pop-up menu.

BRIEF DESCRIPTION OF THE DRAWINGS

[0014] The above and other features and advantages of the present invention will become more apparent by describing in detail exemplary embodiments thereof with reference to the attached drawings in which:

[0015] FIG. 1 is a functional block diagram of a conventional multitasking mobile terminal that concurrently performs a plurality of work processes;

[0016] FIG. 2 is a flowchart illustrating a conventional method for selecting a second work process during a first work process in a multitasking mobile terminal that concurrently performs a plurality of work processes;

[0017] FIG. 3 is a flowchart illustrating a conventional method for controlling a function of a second work process during a first work process in a multitasking mobile terminal that concurrently performs a plurality of work processes;

[0018] FIG. 4 is a flowchart illustrating a method for selecting a second work process in a multitasking mobile terminal that concurrently performs a first work process and the second work process;

[0019] FIGS. 5A to 5D illustrate the displayed icons of the work processes according to an embodiment of the present invention;

[0020] FIG. 6 is a functional block diagram of an apparatus for selecting a work process of a multitasking mobile terminal that concurrently performs a first work process and a second work process according to an embodiment of the present invention;

[0021] FIG. 7 is a flowchart illustrating a method for controlling a function of an MP3 play process during the creation of an SMS message in a multitasking mobile terminal that concurrently performs the MP3 play process and the SMS message creation process;

[0022] FIGS. 8A and 8B illustrate the displayed pop-up menus according to an embodiment of the present invention; and

[0023] FIG. 9 is a functional block diagram of an apparatus for controlling a function of the MP3 play process in the multitasking mobile terminal that concurrently performs the MP3 play process and the SMS message creation process according to an embodiment of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[0024] Hereinafter, a method for selecting a second work process during a first work process and controlling a function of the selected second work process

according to the present invention will be described in detail with reference to the accompanying drawings.

[0025] FIG. 4 is a flowchart illustrating a method for selecting a second work process in a multitasking mobile terminal that concurrently performs a first work process and the second work process according to an embodiment of the present invention. Referring to FIG. 4, in step S30, a user command for selecting the second work process is inputted. In step S32, while the first work is processed through the first work process of the mobile terminal, a first command of user for multitasking of the second work process together with the first work is inputted. Icons corresponding to the work processes are displayed in response to the first user command. The icons are previously designated with respect to all work processes of the mobile terminal. Every when the first command of user is inputted, the icons are displayed in turn.

[0026] In step S34, when an icon corresponding to the second work process the user wants to select is displayed, a second command of user for selecting the displayed icon is inputted. In step S36, the first work of the first work process and the second work of the second work process are concurrently processed in response to the second command of user. For example, when the user intends to send an SMS message while an MP3 music file is played, an MP3 play process and

an SMS message send process are divided in quantum units and alternately processed at regular time intervals.

[0027] In step S38, an icon corresponding to the first work process is preferably displayed together with an activated screen image of the second work process. The user can know from the displayed icon that the first work process is concurrently performed in the second work process.

[0028] FIGS. 5A to 5D illustrate the displayed icons of the work processes according to an embodiment of the present invention.

[0029] Referring to FIG. 5A, an icon indicating an MP3 play process is displayed in a first portion of a display 40, while an MP3 music file is played.

[0030] Referring to FIG. 5B, when a first command of user for sending an SMS message is inputted while an MP3 music file is played, an icon indicating an SMS message creation process is displayed in a first portion of a display 41.

[0031] Referring to FIG. 5C, when a second command of user for selecting a displayed SMS icon is inputted, an SMS message creation process is activated, and an MP3 play process and the SMS message creation process are performed concurrently. Preferably, an icon corresponding to the MP3 play process that is performed concurrently is displayed in a first portion of a display 42 together with a screen of the SMS message creation process.

[0032] Referring to FIG. 5D, when a first command of user for selecting a new work process of a camera mode is inputted, an icon corresponding to a camera mode work process is displayed in a first portion of a display 43 in response to the first user command. By selecting the displayed camera mode icon, the work process for sending an SMS message is changed to the camera mode work process.

[0033] FIG. 6 is a functional block diagram of an apparatus for selecting the work process of the multitasking mobile terminal that concurrently performs the first work process and the second work process. Referring to FIG. 6, the apparatus according to the present invention includes a user interface 50, a second work process selecting unit 60, a multiprocessing unit 70, a display 80, a data bus 90, and a plurality of application units 92, 94 and 96. The plurality of application units 92, 94 and 96 are controlled via the data bus 90 by the multiprocessing unit 70.

[0034] A user commands for changing the work process of the mobile terminal is inputted through the user interface 50. The user interface 50 may be a voice recognition unit for recognizing user's voice, or a motion recognition unit for recognizing a motion of the mobile terminal.

[0035] A first command of user for selecting the second work process that is concurrently performed together with the first work process of the mobile terminal is inputted through the user interface 50 to the second work process selecting unit 60.

The second work process selecting unit 60 includes an icon activating unit 62 and a selecting unit 64. Every when the first command of user is inputted, the icon activating unit 62 sequentially displays icons corresponding to the respective work processes of the mobile terminal through the display 80. A second command of user is inputted through the user interface 50 to the selecting unit 64 so as to select the second work process concurrently performed together with the first work process among the sequentially displayed icons. The selecting unit 64 provides the work process corresponding to the selected icon to the multiprocessing unit 70 in response to the second user command.

[0036] The multiprocessing unit 70 includes a temporary queue 72 and a processing unit 74. The temporary queue 72 stores the first work process and the second work process, which are provided from the selecting unit 64 and performed concurrently. The processing unit 74 generates a control signal for alternately performing the first work process and the second work process, which are stored in the temporary queue 72, at regular time intervals. The processing unit 74 is connected through the data bus 90 to the MP3 module 92, the camera module 94, and the Internet module 96. The MP3 module 92, the camera module 94, and the Internet module 96 perform a work process of an MP3 play mode, a work process of a camera mode, and a work process of an Internet connection mode in response to the control signal outputted from the processing unit 74, respectively. Other

applications can be further added to the mobile terminal according to the fields to which the present invention is applied. It is apparent to those skilled in the art that these embodiments will fall within the scope of the present invention.

[0037] FIG. 7 is a flowchart illustrating a method for controlling a function of the MP3 play process, while the SMS message is created, according to an embodiment of the present invention.

[0038] Referring to FIG. 7, in step S40, a first command of user is inputted so as to control the function of the MP3 play process while the SMS message is created. In step S42, a pop-up menu for controlling the function of the MP3 play process is activated in the display of the mobile terminal in response to the first command of user.

[0039] In step S44, when the pop-up menu is activated, a second command of user is inputted for controlling the function of the MP3 play process, and the function of the MP3 play process is controlled in response to the second command of user. When the pop-up menu is activated, a pop-up process for controlling the function of the MP3 play process is assigned to a temporary queue by using the activated pop-up menu, and the pop-up process is concurrently performed together with the creation of the SMS message.

[0040] That is, the pop-up process and the SMS message creation process are divided in quantum units, and the pop-up process and the SMS message send

process are alternately performed at regular time intervals. When the second command of user is inputted, the pop-up process generates the control signal corresponding to the second command of user and provides the generated control signal to the MP3 play process. The MP3 play process controls the function of the MP3 play process in response to the control signal.

[0041] In step S46, it is determined whether or not a third command of user for returning to the SMS message creation process is inputted. In step S48, when the third command of user is inputted after the control of the function of the MP3 play process is completed, the activated pop-up menu is deactivated. Even though the pop-up menu is deleted from the temporary queue and the pop-up process is terminated, the MP3 play process and the SMS message creation process continue to be performed and the user can keep on creating the SMS message while listening to the MP3 music.

[0042] Preferably, the first to third commands of user may be inputted through a predetermined key arranged at a keypad of the mobile terminal, a user's voice, a motion of the mobile terminal, and the like.

[0043] Preferably, the first and third commands of user may be inputted through the identical key of the mobile terminal.

[0044] FIGS. 8A and 8B illustrate the displayed pop-up menus according to an embodiment of the present invention.

[0045] FIG. 8A illustrates a pop-up menu displayed when the MP3 play process and the SMS message creation process are concurrently performed. Preferably, an icon 44 indicating the MP3 play process concurrently performed together with the SMS message creation process is also displayed in a portion of a display.

[0046] FIG. 8B illustrates a pop-up menu displayed in response to the first command of user. The pop-up menu 46 has a predetermined format, and image information for the pop-up menu 46 displayed is stored in the memory of the mobile terminal. Preferably, in response to the first command of user, the pop-up menu 46 may be displayed brightly and clearly, while the screen corresponding to the SMS message process may be displayed darkly and unclearly.

[0047] FIG. 9 is a functional block diagram of an apparatus for controlling the function of the MP3 play process in the multitasking mobile terminal that concurrently performs the MP3 play process and the SMS message creation process according to an embodiment of the present invention. Referring to FIG. 9, the apparatus according to the present invention includes a user interface 100, a pop-up menu activating unit 110, a function controlling unit 120, a temporary queue 130, a display 140, a data bus 150, a plurality of application modules 161, 163 and 165, and a memory 170.

[0048] A first command of user is inputted through the user interface 100. The pop-up menu activating unit 110 acquires image information of a pop-up menu

stored in the memory 170 in a predetermined format through the data bus 150, and activates the pop-up menu on the display 140. Meanwhile, the temporary queue 130 stores a pop-up process.

[0049] A second command of user for controlling the function of the MP3 play process is inputted through the user interface 100, and the function controlling unit 120 generates a first control signal for controlling the pop-up menu in response to the second command of user. The MP3 play process, the SMS message creation process, and the pop-up process, which are stored in the temporary queue 130, are alternately performed at regular time intervals. The generated first control signal is transferred through the data bus 150 to the MP3 module, and the function of the MP3 play process is controlled.

[0050] A third command of user for terminating the pop-up process is inputted through the user interface 100. The function controlling unit 120 generates a second control signal for deactivating the pop-up menu in response to the third command of user. The generated second control signal is transferred through the data bus 150 to the temporary queue 130. The temporary queue 130 deletes the pop-up process in response to the second control signal, thus terminating the pop-up process.

[0051] The embodiments of the present invention can be written as computer programs and can be implemented in general-use digital computers that execute the

programs using a computer readable recording medium. Examples of the computer readable recording medium include magnetic storage media (e.g., ROM, floppy disks, hard disks), optical recording media (e.g., CD-ROMs, or DVDs), and storage media such as carrier waves (e.g., transmission through the Internet).

[0052] The above-mentioned method for selecting the second work process according to the present invention can simply select the second work process by selecting the icons sequentially displayed while the first work process is performed.

[0053] Also, the above-described method for controlling the function of the second work process according to the present invention can simply control the function of the MP3 play process during the creation of the SMS message by controlling the function of the MP3 play process through the pop-up menu in the multitasking mobile terminal that concurrently performs the MP3 play process and the SMS message creation process.

[0054] Further, the above-described method for controlling the function of the second work process according to the present invention can continuously create the SMS message after controlling the function of the MP3 play process by controlling the function of the MP3 play process through the pop-up menu in the multitasking mobile terminal that concurrently the MP3 play process and the SMS message creation process.

[0055] While the present invention has been particularly shown and described with reference to exemplary embodiments thereof, it will be understood by those of ordinary skill in the art that various changes in form and details may be made therein without departing from the spirit and scope of the present invention as defined by the following claims.

What is claimed is:

1. A method for selecting a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

(a) inputting a user command for selecting the second work process; and

(b) displaying an icon corresponding to the second work process in response to the user command, and selecting the second work process based on the displayed icon.

2. The method of claim 1, wherein the step (a) comprises:

sequentially displaying icons corresponding to work processes in response to the user command;

selecting an icon corresponding to the second work process among the sequentially displayed icons; and

concurrently performing the second work process corresponding to the selected icon together with the first work process.

3. The method of claim 2, wherein a screen image of the selected second work process and an icon corresponding to the first work process are displayed together.

4. A method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

(a) inputting a first command of user for selecting a predetermined function of the second work process;

(b) activating a pop-up menu for controlling the predetermined function of the second work process in response to the first command of user; and

(c) controlling the predetermined function of the second work process through the activated pop-up menu.

5. The method of claim 4, wherein the step (c) comprises:

inputting a second command of user for controlling the predetermined function of the second work process;

generating a control signal for controlling the predetermined function of the second work process in response to the second command of user; and

controlling the predetermined function of the second work process in response to the generated control signal.

6. The method of claim 4, further comprising:

inputting a third command of user for deactivating the activated pop-up menu; and

deactivating the activated pop-up menu in response to the third command of user.

7. The method of claim 6, wherein the first command of user and the third command of user are inputted through an identical key of the mobile terminal.

8. The method of claim 6, wherein the second work process is an MP3 play process.

ABSTRACT OF THE DISCLOSURE

Provided is a method for controlling a plurality of work processes in a multitasking mobile terminal, and more particularly, a method for selecting a second work process during a first work process and controlling a predetermined function of the selected second work process. In the controlling method, icons corresponding to the respective work processes are displayed in response to a user command, and a desired work process is selected through the displayed icons. A predetermined function of the selected work process is controlled through a pop-up menu activated in response to the user command.

FIG. 1
(PRIOR ART)

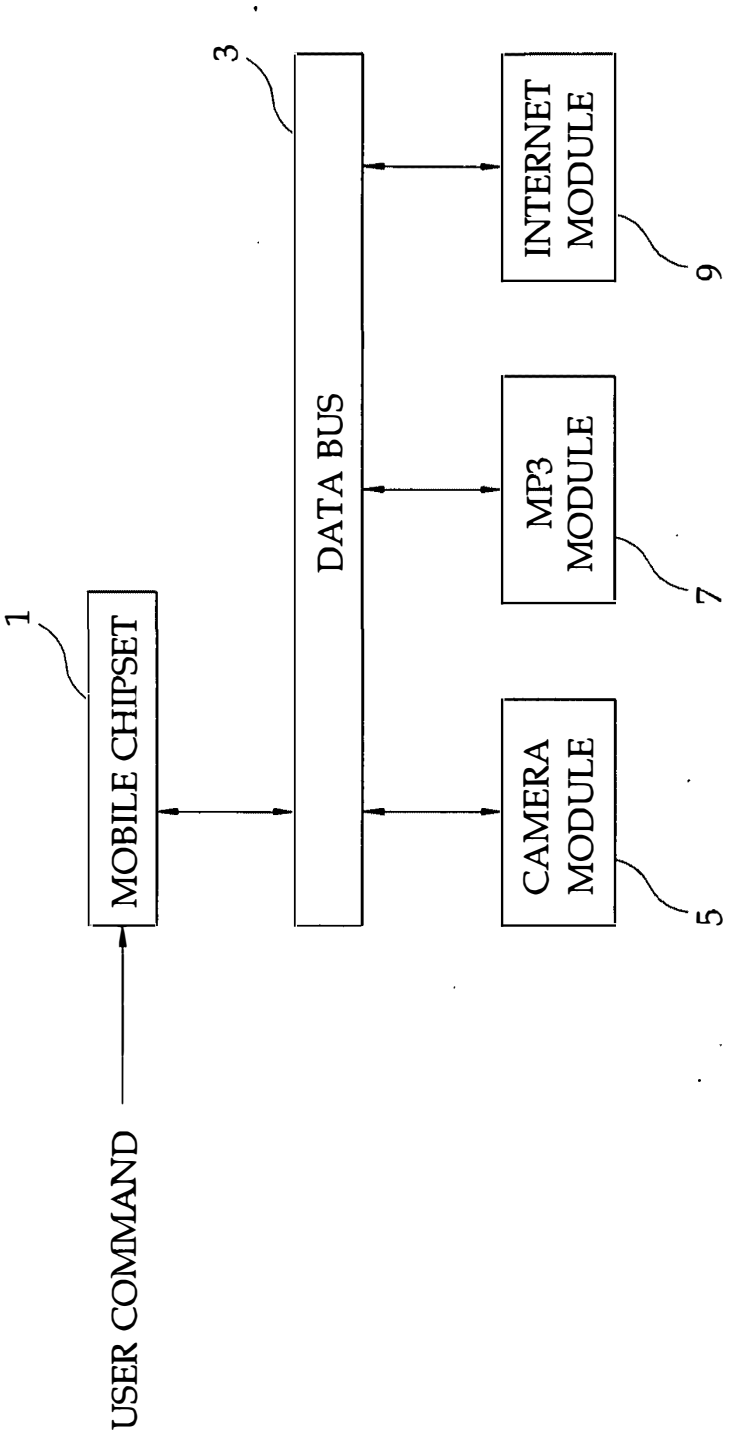


FIG. 2
(PRIOR ART)

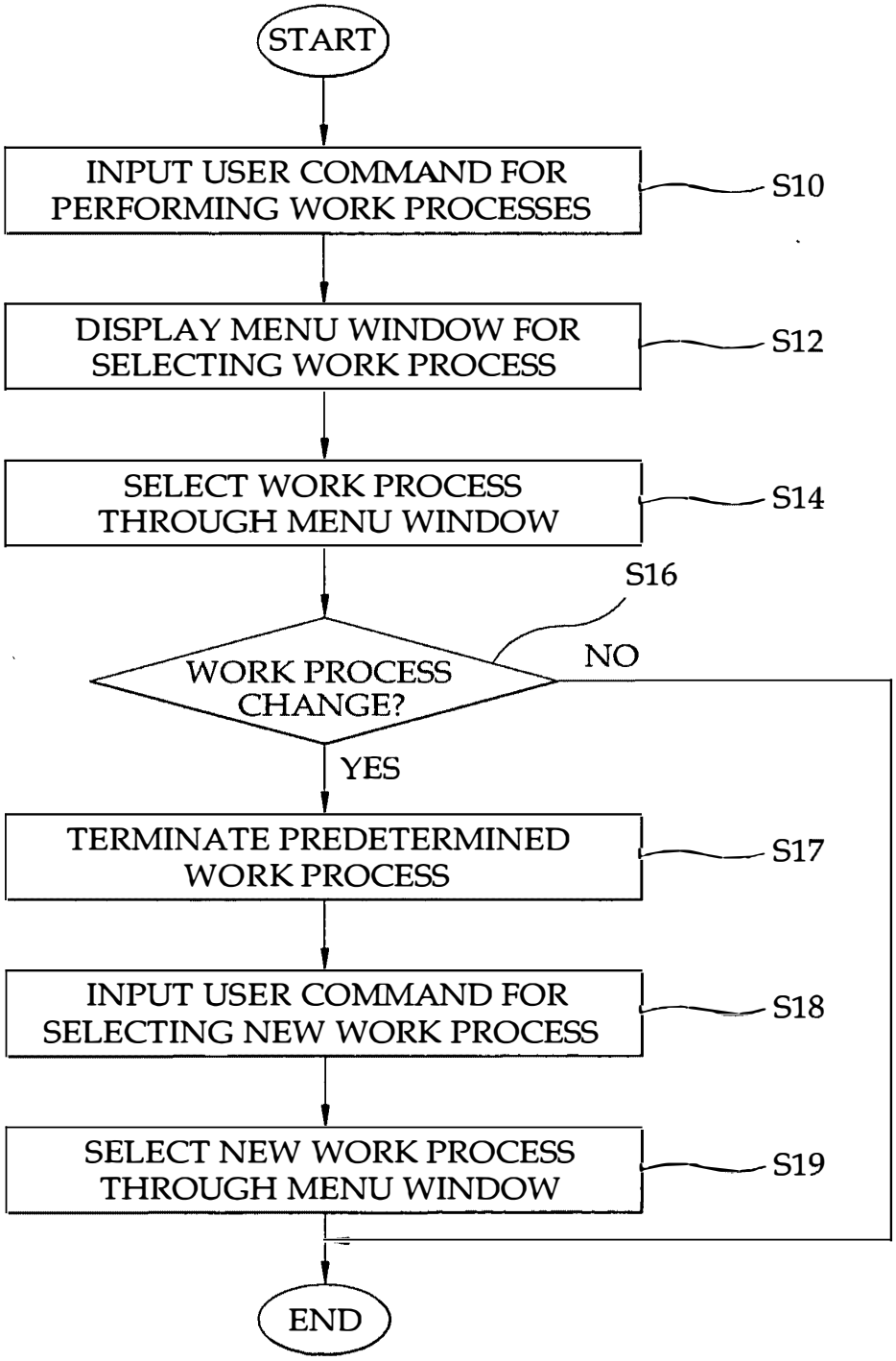


FIG. 3
(PRIOR ART)

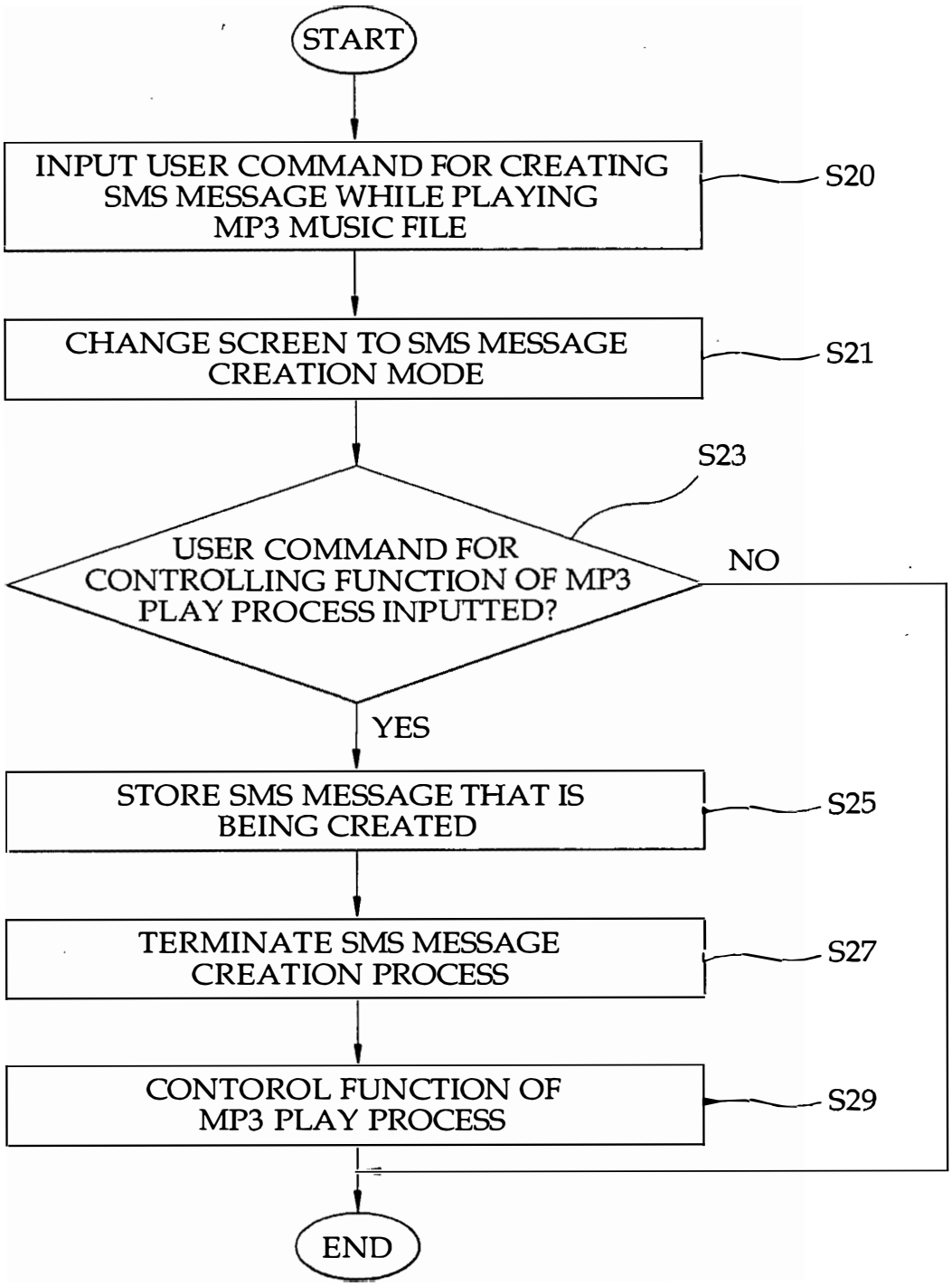


FIG. 4

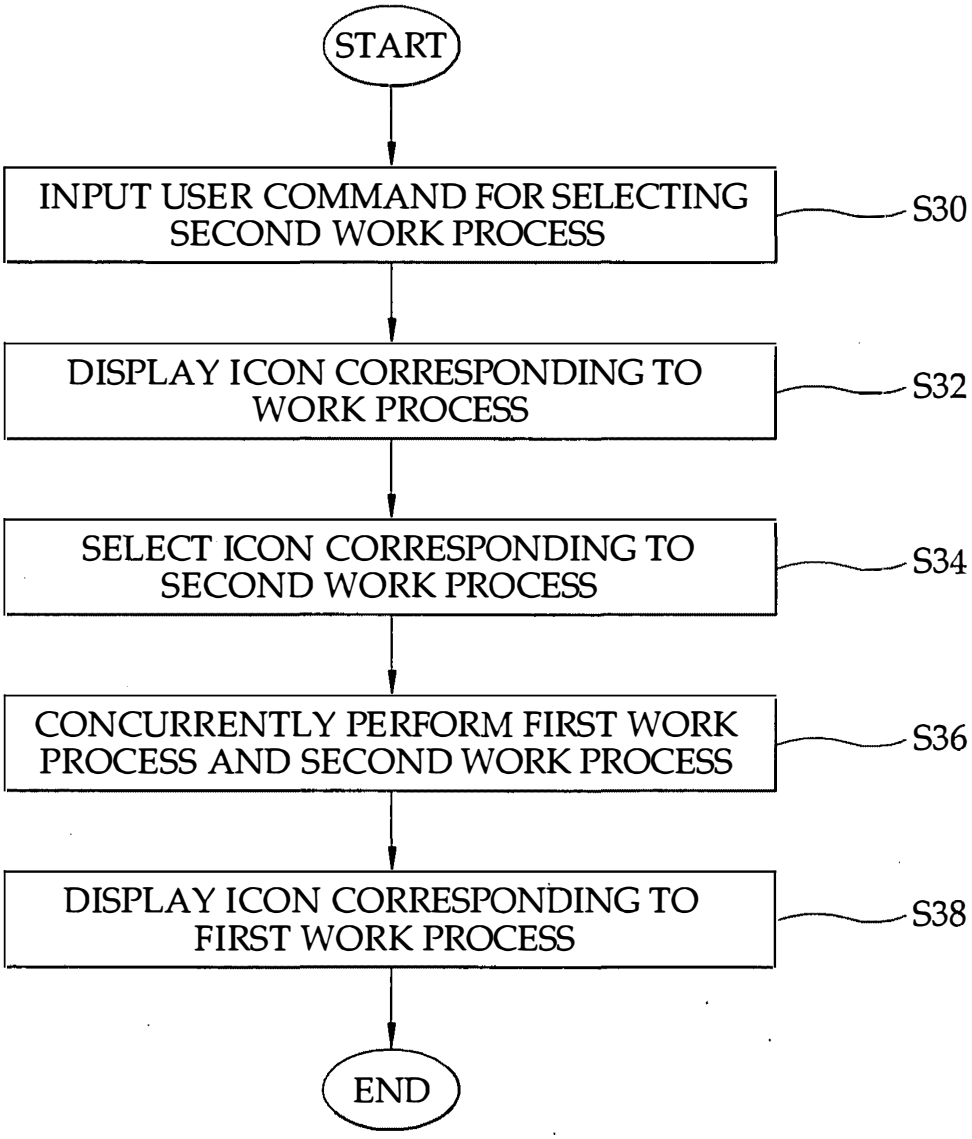

START
INPUT USER COMMAND FOR SELECTING SECOND WORK PROCESS
S30
DISPLAY ICON CORRESPONDING TO WORK PROCESS
S32
SELECT ICON CORRESPONDING TO SECOND WORK PROCESS
S34
CONCURRENTLY PERFORM FIRST WORK PROCESS AND SECOND WORK PROCESS
S36
DISPLAY ICON CORRESPONDING TO FIRST WORK PROCESS
S38
END

FIG. 5A

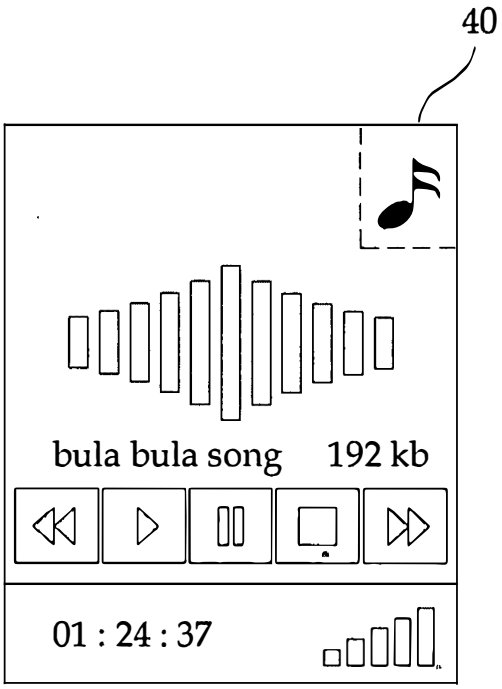

40
bula bula song
192 kb
01 : 24 : 37

FIG. 5B

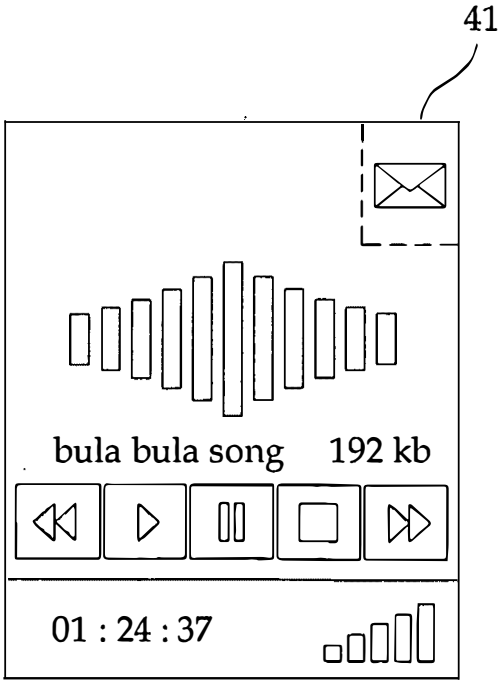

41
bula bula song
192 kb
01 : 24 : 37

FIG. 5C


42
SEND MESSAGE
TONIGHT'S APPOINTMENT WAS CHANGED __
O K
CANCEL

FIG. 5D


43
SEND MESSAGE
TONIGHT'S APPOINTMENT WAS CHANGED __
O K
CANCEL

FIG. 6

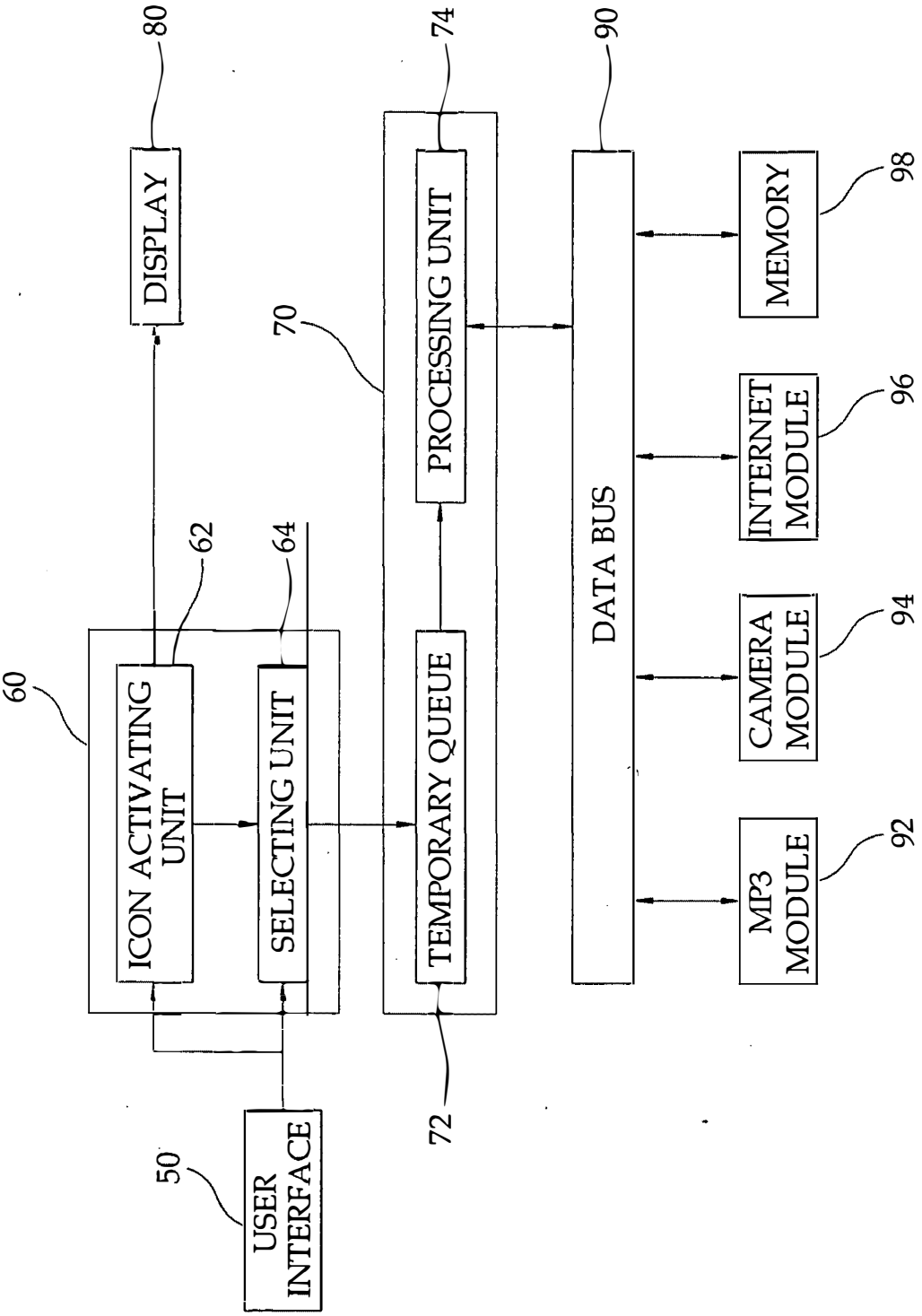

80
DISPLAY
74
90
70
PROCESSING UNIT
DATA BUS
MEMORY
98
62
64
60
ICON ACTIVATING UNIT
SELECTING UNIT
TEMPORARY QUEUE
INTERNET MODULE
96
CAMERA MODULE
94
MP3 MODULE
92
50
USER INTERFACE
72

FIG. 7

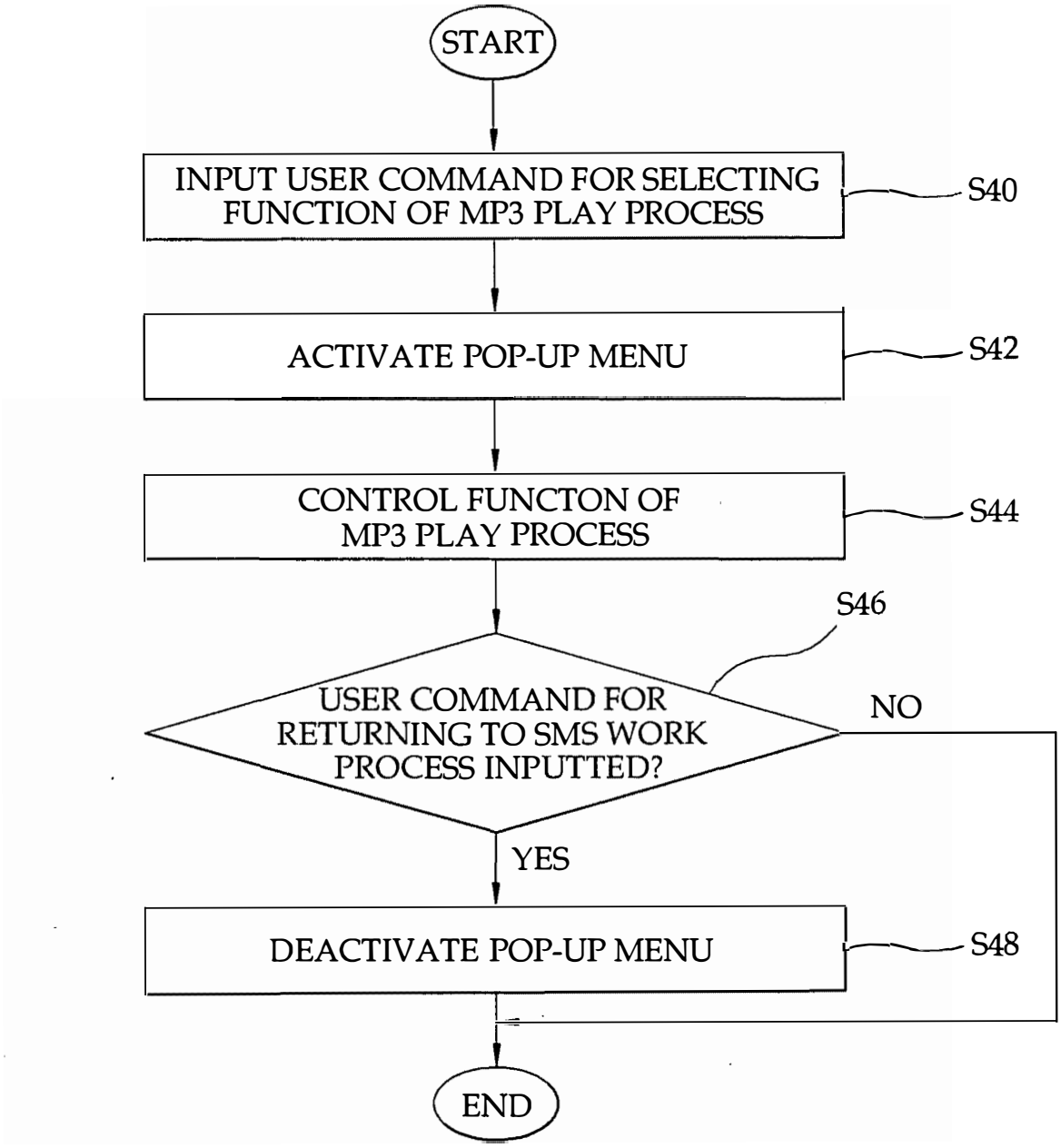

START
INPUT USER COMMAND FOR SELECTING FUNCTION OF MP3 PLAY PROCESS
S40
ACTIVATE POP-UP MENU
S42
CONTROL FUNCTON OF MP3 PLAY PROCESS
S44
S46
USER COMMAND FOR RETURNING TO SMS WORK PROCESS INPUTTED?
NO
YES
DEACTIVATE POP-UP MENU
S48
END

FIG. 8A

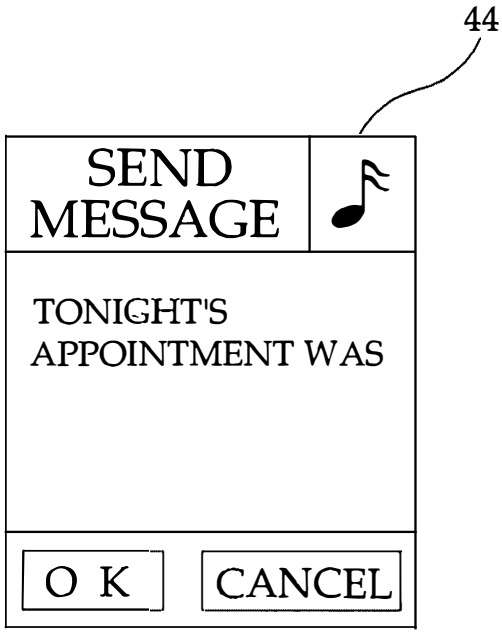

44
SEND MESSAGE
TONIGHT'S APPOINTMENT WAS
O K
CANCEL

FIG. 8B

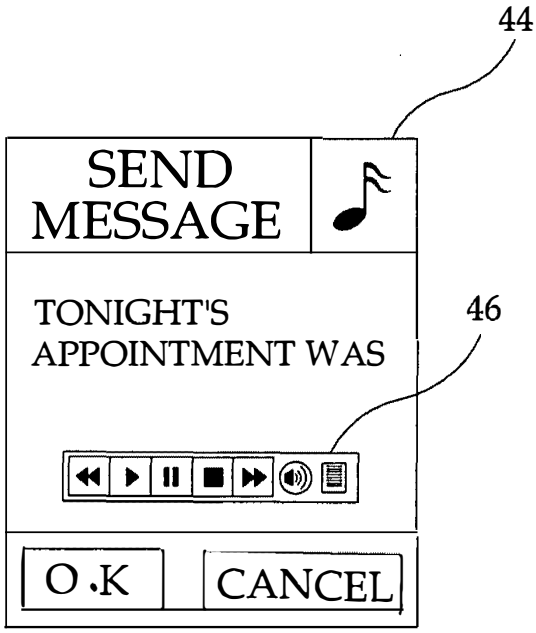
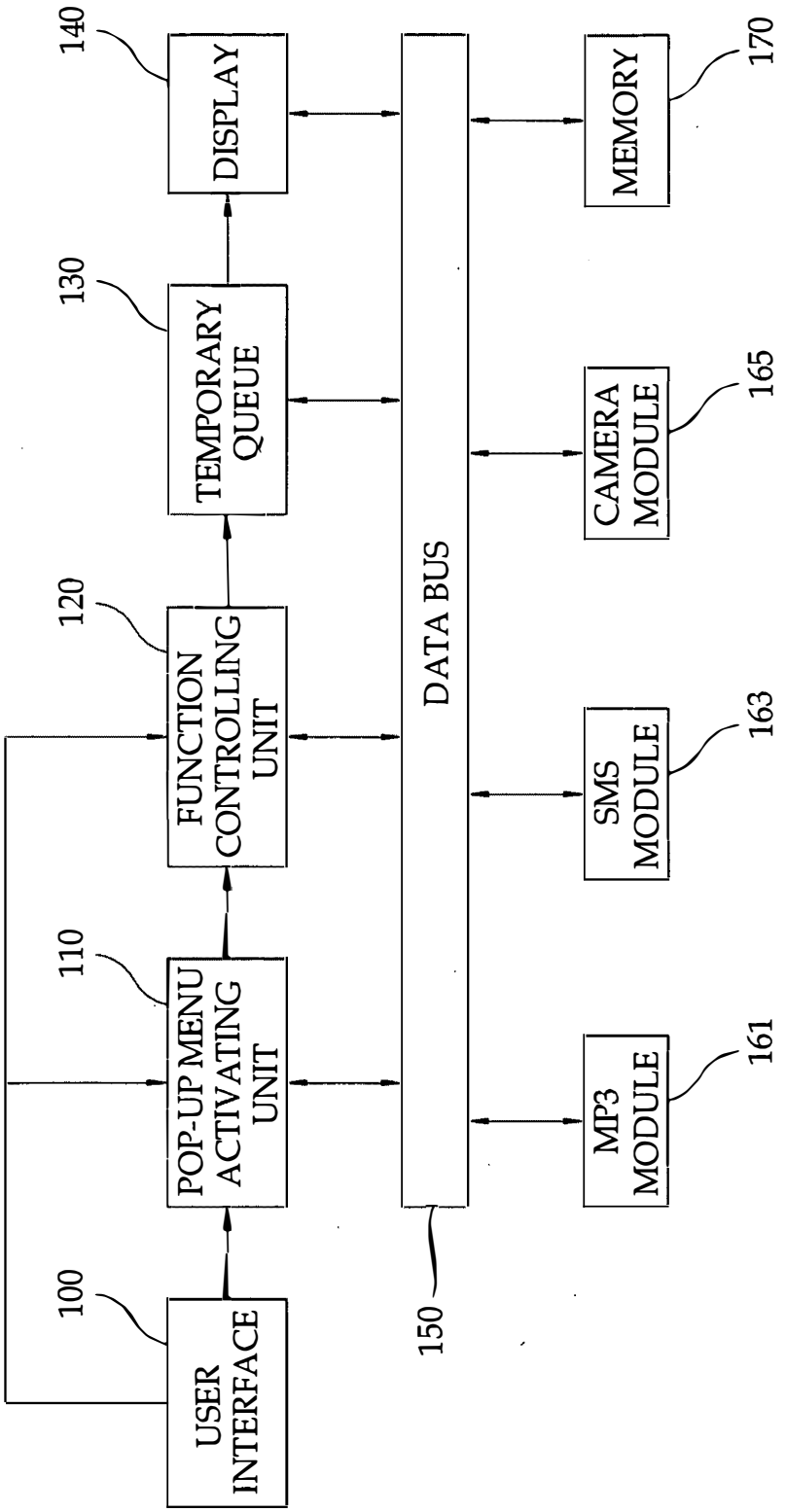

44
SEND MESSAGE
TONIGHT'S APPOINTMENT WAS
46
O.K
CANCEL

FIG. 9


USER INTERFACE
100
POP-UP MENU ACTIVATING UNIT
110
FUNCTION CONTROLLING UNIT
120
TEMPORARY QUEUE
130
DISPLAY
140
DATA BUS
150
MP3 MODULE
161
SMS MODULE
163
CAMERA MODULE
165
MEMORY
170

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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)		
☒ Declaration Submitted With Initial Filing OR ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Docket Number	25370-11880
	First Named Inventor	Seul Ki CHOI
	COMPLETE IF KNOWN	
	Application Number	
	Filing Date	
	Art Unit	
	Examiner Name	

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL

(Title of the Application)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) [ ] as United States Application Number or PCT International Application Number [ ] and was amended on (MM/DD/YYYY) [ ] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? Yes	No
10-2005-0073877	KOREA	08/11/2005	☐	☒	☐
10-2005-0102198	KOREA	10/28/2005	☐	☒	☐
			☐	☐	☐
			☐	☐	☐

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

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DECLARATION – Utility or Design Patent Application

Direct all correspondence to: ☒ Customer Number:	758	OR ☐ Correspondence address below	
Name			
Address			
City	State	ZIP	
Country	Telephone	Fax	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:	☐ A petition has been filed for this unsigned inventor
Given Name (first and middle [if any]): Seul Ki	Family Name or Surname: CHOI
Inventor's Signature:	Date: July 10, 2006

Residence: City	State	Country	Citizenship
Ansan-Si	Gyeonggi-Do	Korea	Korean

Mailing Address: Jugong Green Ville Apts 10 Block 1002-1404, I-Dong, Sangnok-Gu

City	State	ZIP	Country
Ansan-Si	Gyeonggi-Do	426-871	Korea

NAME OF SECOND INVENTOR:	■ A petition has been filed for this unsigned inventor
Given Name (first and middle [if any]): Sang Jin	Family Name or Surname: YOON
Inventor's Signature:	Date: July 10, 2006

Residence: City	State	Country	Citizenship
Anyang-Si	Gyeonggi-Do	Korea	Korean

Mailing Address: Eunhasu Hanyang Apts 504-605, Bisan-Dong, Dongan-Gu

City	State	ZIP	Country
Anyang-Si	Gyeonggi-Do	431-050	Korea

☐ Additional inventors or a legal representative are being named on additional sheet(s)

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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	
Filing Date	
First Named Inventor	Seul Ki CHOI
Title	Method for Selecting and Controlling Second Work Process During First Work Process in Multitasking Mobile Terminal
Group Art Unit	
Examiner Name	
Attorney Docket Number	25370-11880

I hereby appoint:

☒ Practitioners at Customer Number 00758

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

I am the:

☒ Applicant/Inventor *OR* ☐ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	CHOI, Seul Ki
Signature	
Date	July 10, 2006

I am the:

☒ Applicant/Inventor *OR* ☐ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	YOON, Sang Jin
Signature	
Date	July 10, 2006

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

( ) forms are submitted

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PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

08/02/2006 FFANAIA2 00000009 11495863

01 FC:1011	300.00 OP
02 FC:1111	500.00 OP
03 FC:1311	200.00 OP

PTO-1556
(5/87)

*U.S. Government Printing Office: 2002 — 469-267/69033

PTO/SB/06 (12-04)
Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875 Effective December 8, 2004

Application or Docket Number: 11/[illegible]

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY FEE ($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	150.00		N/A	300.00
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A	$250		N/A	$500
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	$100		N/A	$200
TOTAL CLAIMS (37 CFR 1.16(i))	8 minus 20 =	*	X$ 25 =		OR	X$50 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2 minus 3 =	*	X100 =			X200 =	
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))			+180=			+360=	
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	1000

APPLICATION AS AMENDED – PART II

AMENDMENT A

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X$ 25 =		OR	X$50 =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X100 =		OR	X200 =	
Application Size Fee (37 CFR 1.16(s))									
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					+180=		OR	+360=	
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

AMENDMENT B

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)	OR	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	*	Minus	**	=	X$ 25 =		OR	X$50 =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	X100 =		OR	X200 =	
Application Size Fee (37 CFR 1.16(s))									
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					+180=		OR	+360=	
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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PATENT

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

APPLICANT(S):	Seul Ki CHOI and Sang Jin YOON
APPLICATION NO.:	Unknown
FILING DATE:	Unknown
TITLE:	Method For Selecting And Controlling Second Work Process During First Work Process In Multitasking Mobile Terminal
EXAMINER:	Unknown
GROUP ART UNIT:	Unknown
ATTY. DKT. NO.:	25370-11880

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 CFR 1.10.

Signature:			
Typed or Printed Name:	**Jae Won Song, Ltd. Rec. No. L0203**	Dated:	**July 28, 2006**
Express Mail Mailing Number *(optional)*:	**EV542675855US**		

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

TRANSMITTAL OF PRIORITY DOCUMENT

SIR:

Applicants hereby claim foreign priority under 35 U.S.C. §119(a) from Republic of Korea Patent Application No. 10-2005-0073877, filed on August 11, 2005 and from Republic of Korea Patent Application No. 10-2005-0102198, filed on October 28, 2005, certified copies of which are enclosed herewith.

Respectfully submitted,
Seul Ki CHOI and Sang Jin YOON

Dated: July 28, 2006 By: _____

Jae Won Song, Ltd. Rec. No. L0203
FENWICK & WEST LLP
Silicon Valley Center
801 California Street
Mountain View, CA 94041
Tel.: (650) 335-7164
Fax: (650) 938-5200

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Issue Number : 5-5-2006-028789361

대한민국특허청
KOREAN INTELLECTUAL PROPERTY OFFICE

별첨 사본은 아래 출원의 원본과 동일함을 증명함.

This is to certify that the following application annexed hereto is a true copy from the records of the Korean Intellectual Property Office.

출 원 번 호 : Application Number		10-2005-0073877
출 원 년 월 일 : Date of Application		2005년 08월 11일 AUG 11, 2005
출 원 인 : Applicant(s)		주식회사 팬택앤큐리텔 Pantech&Curitel Communications, Inc.

2006년 06월 07일

특 허 청

COMMISSIONER

◆ This certificate was issued by Korean Intellectual Property Office. Please confirm any forgery or alteration of the contents by an issue number or a barcode of the

Issue Date : 2006.06.07

【서지사항】

【서류명】	특허출원서
【권리구분】	특허
【수신처】	특허청장
【제출일자】	2005.08.11
【발명의 국문명칭】	복수의 작업 프로세스를 다중으로 처리하는 이동 단말기에서 작업 프로세스를 선택하는 방법
【발명의 영문명칭】	Method for selecting the task in the multitasking mobile terminal
【출원인】	
【명칭】	주식회사 팬택앤큐리텔
【출원인코드】	1-2001-021691-6
【대리인】	
【명칭】	특허법인 다인
【대리인코드】	9-2005-100001-1
【지정된변리사】	임영희
【포괄위임등록번호】	2005-054275-1
【발명자】	
【성명】	최슬기
【성명의 영문표기】	CHOI SEUL KI
【주민등록번호】	780127-1055812
【우편번호】	426-160
【주소】	경기 안산시 상록구 이동 주공그린빌아파트 10단지 1002동 1404호
【국적】	KR
【발명자】	
【성명】	윤상진

【성명의 영문표기】 YOON SANG JIN

【주민등록번호】 730723-1056421

【우편번호】 431-050

【주소】 경기 안양시 동안구 비산동 은하수 한양아파트 504-605

【국적】 KR

【심사청구】 청구

【취지】 특허법 제42조의 규정에 의한 출원, 특허법 제60조의 규정에 의한 출원심사를 청구합니다.

대리인 특허법인 다인 (인)

【수수료】

【기본출원료】	0	면	38,000 원
【가산출원료】	17	면	0 원
【우선권주장료】	0	건	0 원
【심사청구료】	3	항	205,000 원
【합계】	243,000 원		

【요약서】

【요약】

본 발명은 복수의 작업 프로세스를 다중으로 처리하는 이동 단말기에 관한 것으로, 보다 구체적으로 이동 단말기의 작업 프로세스에 상응하는 아이콘을 통해 다중으로 처리되는 이동 단말기의 작업 프로세스를 선택할 수 있는 작업 프로세스 선택 방법에 관한 것이다.

본 발명의 상기 목적을 달성하기 위한, 제1 작업 프로세스와 제2 작업 프로세스를 다중으로 처리하는 이동 단말기에서 제2 작업 프로세스를 선택하는 방법은 상기 제2 작업 프로세스를 선택하기 위한 사용자 명령이 입력되는 단계(a 단계) 및 상기 사용자 명령에 응답하여, 상기 제2 작업 프로세스에 상응하는 아이콘이 디스플레이되고, 상기 디스플레이된 아이콘에 기초하여 상기 제2 작업 프로세스가 선택되는 단계(b 단계)를 포함하는 것을 특징으로 한다.

【대표도】

도 3

【색인어】

다중 작업 프로세스, 이동 단말기, MP3, 아이콘

【명세서】

【발명의 명칭】

복수의 작업 프로세스를 다중으로 처리하는 이동 단말기에서 작업 프로세스를 선택하는 방법{Method for selecting the task in the multitasking mobile terminal}

【도면의 간단한 설명】

<1> 도 1은 복수의 작업 프로세스를 다중으로 처리하는 이동 단말기의 통상적인 기능 블록도를 도시하고 있다.

<2> 도 2는 복수로 처리되는 이동 단말기의 작업 프로세스를 선택하는 방법을 설명하고 있는 흐름도이다.

<3> 도 3은 본 발명의 일 실시예에 상응하는, 제1 작업 프로세스와 제2 작업 프로세스를 다중으로 처리하는 이동 단말기에서 상기 제2 작업 프로세스를 선택하는 방법을 설명하는 흐름도를 도시하고 있다.

<4> 도 4는 본 발명의 일 실시예에 상응하여 디스플레이되는, 작업 프로세스의 아이콘을 도시하고 있다.

<5> 도 5는 본 발명의 일 실시예에 상응하는, 제1 작업 프로세스와 제2 작업 프로세스를 다중으로 처리하는 이동 단말기에서 상기 이동 단말기의 작업 프로세스를 선택하는 장치의 기능 블록도를 도시하고 있다.

<6> <도면의 주요 부분에 대한 설명>

<7> 40 : 사용자 인터페이스부 50 : 제2 작업 프로세스 선택부

<8> 60 : 다중 처리부 70 : 디스플레이부

<9> 80 : 호스트 버스 92 : 카메라부

<10> 94 : 카메라부 96 : 인터넷 접속부

【발명의 상세한 설명】

【발명의 목적】

【발명이 속하는 기술분야 및 그 분야의 종래기술】

<11> 본 발명은 복수의 작업 프로세스를 다중으로 처리하는 이동 단말기에 관한 것으로, 보다 구체적으로 이동 단말기의 작업 프로세스에 상응하는 아이콘을 통해 다중으로 처리되는 이동 단말기의 작업 프로세스를 선택할 수 있는 작업 프로세스 선택 방법에 관한 것이다.

<12> 최근 이동 통신 기술의 발전으로 휴대폰, PDA 등과 같은 다양한 종류의 이동 단말기가 출시되고 있다. 상기 이동 단말기는 무선 통신이라는 본래의 기능 이외에 카메라 기능, 멀티미디어 재생 기능, 인터넷 접속 기능 등과 같은 다양한 기능을 구비하고 있다. 또한, 이동 단말기에 부착되는 마이크로 프로세서의 성능이 향상되면서, 전화 통화를 하면서 동시에 MP3 음악 파일을 재생하거나 또는 MP3 음악 파일을 재생하면서 SMS(short message service)의 단문 메시지를 전송하는 등과 같이 복수의 작업 프로세스를 다중으로 처리할 수 있게 되었다.

<13> 복수의 작업 프로세스를 다중으로 처리하는 이동 단말기의 통상적인 기능 블

록도가 도 1을 참고로 설명된다. 모바일 칩셋(1)은 사용자 명령에 상응하여 이동 단말기의 전체적인 동작을 제어한다. 사용자 명령에 따라 모바일 칩셋(1)은 호스트 버스(3)를 통해 카메라부(5), MP3 재생부(7) 및 인터넷 접속부(9)로 제어 신호를 전송한다. 상기 제어 신호에 따라, 카메라부(5), MP3 재생부(7) 및 인터넷 접속부(9)의 작업 프로세스가 다중으로 처리된다.

<14> 도 2는 복수로 처리되는 이동 단말기의 작업 프로세스를 선택하는 방법을 설명하고 있는 흐름도이다. 제1 작업 프로세스에서 작업을 처리하는 도중에, 제2 작업 프로세스의 작업을 처리하기 위한 사용자 명령이 입력된다(단계 10). 상기 사용자 명령에 의해, 이동 단말기의 디스플레이부에는 작업 프로세스를 선택하기 위한 메뉴 창이 디스플레이된다(단계 12). 사용자는 디스플레이된 메뉴 창을 통해, 다중으로 처리하고자 하는 작업 프로세스가 선택된다(단계 14). 사용자는 다중으로 처리되는 작업 프로세스에서 소정의 작업 프로세스를 변경하고자 하는 경우(단계 16), 변경하고자 하는 작업 프로세스를 종료한다(단계 17). 새로운 작업 프로세스를 선택하기 위한 사용자 명령이 입력되고(단계 18), 상기 사용자 명령에 응답하여 디스플레이되는 메뉴 창을 통해 새로운 작업 프로세스를 선택한다(단계 19).

【발명이 이루고자 하는 기술적 과제】

<15> 상기 설명한 통상의 작업 프로세스 선택 방법에서, 사용자는 다중으로 처리되는 작업 프로세스를 선택하기 위해 디스플레이되는 메뉴 창을 통해 새로운 작업 프로세스를 선택하여야 한다. 또한, 다중으로 처리되는 작업 프로세스들 중에서 소정의 작업 프로세스를 종료하고 새로운 작업 프로세스를 선택하기 위해, 소정의

작업 프로세스를 종료하고, 새로운 작업 프로세스를 선택하기 위해 다시 메뉴 창을 통해 새로운 작업 프로세스를 선택하여야 하는 불편함이 있다.

<16> 본 발명이 이루고자 하는 목적은 이동 단말기의 작업 프로세스에 상응하는 아이콘을 통해 다중으로 처리되는 이동 단말기의 작업 프로세스를 선택할 수 있는 작업 프로세스 선택 방법 및 장치를 제공하는 것이다.

【발명의 구성】

<17> 본 발명의 상기 목적을 달성하기 위한, 제1 작업 프로세스와 제2 작업 프로세스를 다중으로 처리하는 이동 단말기에서 제2 작업 프로세스를 선택하는 방법은 상기 제2 작업 프로세스를 선택하기 위한 사용자 명령이 입력되는 단계(a 단계) 및 상기 사용자 명령에 응답하여, 상기 제2 작업 프로세스에 상응하는 아이콘이 디스플레이되고, 상기 디스플레이된 아이콘에 기초하여 상기 제2 작업 프로세스가 선택되는 단계(b 단계)를 포함하는 것을 특징으로 한다.

<18> 바람직하게, 상기 (b) 단계는 상기 사용자 명령에 응답하여, 작업 프로세스에 상응하는 아이콘이 차례로 디스플레이되는 단계, 상기 차례로 디스플레이되는 아이콘들 중에서 상기 제2 작업 프로세스에 상응하는 아이콘이 선택되는 단계 및 상기 선택된 아이콘에 상응하는 제2 작업 프로세스가 제1 작업 프로세스와 다중으로 처리되는 단계를 포함하는 것을 특징으로 한다.

<19> 본 발명의 상기 목적을 달성하기 위한, 제1 작업 프로세스와 제2 작업 프로세스를 다중으로 처리하는 이동 단말기는 제2 작업 프로세스를 선택하기 위한 사용

자 명령에 응답하여, 상기 제2 작업 프로세스에 상응하는 아이콘이 디스플레이되고, 상기 디스플레이된 아이콘에 기초하여 상기 제2 작업 프로세스를 선택하는 제2 작업 프로세스 선택부, 상기 선택된 제2 작업 프로세스와 제1 작업 프로세스를 다중으로 처리하는 다중 처리부 및 상기 사용자 명령을 입력하기 위한 사용자 인터페이스부를 포함하는 것을 특징으로 한다.

<20> 이하 첨부된 도면을 참고로 본 발명에 상응하는 작업 프로세스 선택 방법 및 상기 작업 프로세스 방법을 구현하는 이동 단말기에 대해 보다 구체적으로 설명한다.

<21> 도 3은 본 발명의 일 실시예에 상응하는, 제1 작업 프로세스와 제2 작업 프로세스를 다중으로 처리하는 이동 단말기에서 상기 제2 작업 프로세스를 선택하는 방법을 설명하는 흐름도를 도시하고 있다. 도 3을 참고로, 제2 작업 프로세스를 선택하기 위한 사용자 명령이 입력된다(단계 20). 이동 단말기의 제1 작업 프로세스를 통해 제1 작업을 처리하는 도중에, 상기 제1 작업과 동시에 제2 작업 프로세스를 다중으로 처리하고자 하는 제1 사용자 명령이 입력된다. 상기 제1 사용자 명령에 응답하여 제2 작업 프로세스에 상응하는 아이콘이 디스플레이된다(단계 22). 이동 단말기의 모든 작업 프로세스에 상응하는 아이콘들이 각각 정해져 있으며, 상기 제1 사용자 명령이 입력될 때마다, 상기 아이콘들 중 하나의 아이콘이 차례로 디스플레이된다.

<22> 사용자가 선택하고자 하는 제2 작업 프로세스에 상응하는 아이콘이 디스플레이되는 경우, 상기 디스플레이된 아이콘을 선택하기 위한 제2 사용자 명령이 입력

된다(단계24). 상기 제2 사용자 명령에 응답하여, 상기 제1 작업 프로세스의 제1 작업과 제2 작업 프로세스의 제2 작업이 다중으로 처리된다(단계 26). 예를 들어, MP3 음악 파일을 재생하면서 동시에 단문 메시지를 전송하고자 하는 경우, MP3 음악 재생 프로세스와 단문 메시지 전송 프로세스가 소정의 실행 단위(quantum unit)로 분할되고 일정한 시간마다 MP3 음악 재생 프로세스와 단문 메시지 전송 프로세스 번갈아 처리된다.

<23> 바람직하게, 상기 활성화된 제2 작업 프로세스에서 상기 제1 작업 프로세스에 상응하는 아이콘이 디스플레이된다(단계 28). 사용자는 디스플레이된 아이콘을 통해 제2 작업 프로세스에서 제1 작업 프로세스가 동시에 수행되고 있음을 알 수 있다.

<24> 도 4는 본 발명의 일 실시예에 상응하여 디스플레이되는, 작업 프로세스의 아이콘을 도시하고 있다. 도 4의 (a)를 참고로, MP3 음악 파일을 재생하는 제 1 작업 프로세스에서, 디스플레이부(30)의 제1 부분에 현재 작업 프로세스를 나타내는 아이콘이 디스플레이되어 있다.

<25> 도 4의 (b)를 참고로, 상기 제1 작업 프로세스를 처리하면서 동시에 단문 메시지를 전송하기 위한 제2 작업 프로세스를 선택하는 제1 사용자 명령이 입력되는 경우, 디스플레이부(30)의 제1 부분에는 제2 작업 프로세스를 나타내는 아이콘이 디스플레이된다.

<26> 도 4의 (c)를 참고로, 디스플레이된 아이콘을 선택하기 위한 제2 사용자 명령이 입력되는 경우, 선택된 아이콘에 상응하는 제2 작업 프로세스가 활성화되고

제1 작업 프로세스와 제2 작업 프로세스가 다중으로 처리된다. 바람직하게, 상기 디스플레이부(30)의 제1 부분에는 제2 작업 프로세스와 다중으로 처리되고 있는 제1 작업 프로세스를 나타내는 아이콘이 디스플레이된다.

<27> 도 4의 (d)를 참고로, 카메라 모드의 새로운 작업 프로세스를 선택하기 위한 제1 사용자 명령이 입력되면, 입력된 제1 사용자 명령에 응답하여 카메라 모드 작업 프로세스에 상응하는 아이콘이 디스플레이부(30)의 제1 부분에 디스플레이된다. 상기 디스플레이된 카메라 모드의 아이콘을 선택함으로써, 단문 메시지를 전송하기 위한 작업 프로세스에서 카메라 모드의 작업 프로세스로 변경된다.

<28> 도 5는 본 발명의 일 실시예에 상응하는, 제1 작업 프로세스와 제2 작업 프로세스를 다중으로 처리하는 이동 단말기에서 상기 이동 단말기의 작업 프로세스를 선택하는 장치의 기능 블록도를 도시하고 있다. 도 5를 참고로, 본 발명에 상응하는 작업 프로세스 선택 장치는 사용자 인터페이스부(40), 제2 작업 프로세스 선택부(50), 다중 처리부(60), 디스플레이부(70), 호스트 버스(80) 및 호스트 버스(80)를 통해 다중 처리부(60)에 의해 제어되는 다수의 애플리케이션부(92, 94, 96)를 포함하고 있다.

<29> 사용자 인터페이스부(40)를 통해 이동 단말기의 작업 프로세스를 변경하기 위한 사용자 명령이 입력된다. 상기 사용자 인터페이스부(40)는 이동 단말기에 부착된 키 패널, 사용자의 음성을 인식하는 음성 인식부, 이동 단말기의 움직임을 인식하는 움직임 인식부일 수 있다.

<30> 이동 단말기의 제1 작업 프로세스와 함께 다중으로 처리되는 제2 작업 프로

세스를 선택하기 위한 제1 사용자 명령이 사용자 인터페이스부(40)를 통해 제2 작업 프로세스 선택부(50)로 입력된다. 제2 작업 프로세스 선택부(50)는 아이콘 활성화부(52)와 선택부(42)를 포함하고 있다. 아이콘 활성화부(52)는 상기 제1 사용자 명령이 입력될 때마다 이동 단말기의 각 작업 프로세스에 상응하는 아이콘을 디스플레이부(55)를 통해 차례로 디스플레이한다. 선택부(54)는 상기 차례로 디스플레이되는 아이콘 중에서 상기 제1 작업 프로세스와 다중으로 처리되는 제2 작업 프로세스를 선택하기 위한 제2 사용자 명령이 사용자 인터페이스부(40)를 통해 선택부(54)로 입력된다. 선택부(54)는 선택된 아이콘에 상응하는 작업 프로세스를 상기 다중 처리부(60)로 제공한다.

<31> 다중 처리부(60)는 임시큐(62)와 처리부(64)를 포함하고 있다. 임시큐(62)는 선택부(54)로부터 제공되어 다중으로 처리되는 작업 프로세스를 저장한다. 처리부(64)는 임시큐(62)에 저장되어 있는 작업 프로세스를 일정한 시간 간격마다 번갈아 제1 작업 프로세스와 제2 작업 프로세스를 처리하기 위한 제어 신호를 생성한다. 처리부(64)는 호스트 버스(80)를 통해 MP3 재생부(92), 카메라부(94), 인터넷 접속부(96)에 접속되어 있다. MP3 재생부(92), 카메라부(94), 인터넷 접속부(96)는 각각 처리부(64)의 제어 신호에 의해 MP3 재생 모드, 카메라 모드, 인터넷 접속 모드의 작업 프로세스를 수행한다. 본 발명이 적용되는 분야에 따라 다른 애플리케이션이 이동 단말기에 부가될 수 있으며, 이는 본 발명의 범위에 속한다.

<32> 한편, 상술한 본 발명의 실시예들은 컴퓨터에서 실행될 수 있는 프로그램으로 작성 가능하고, 컴퓨터로 읽을 수 있는 기록 매체를 이용하여 상기 프로그램을

동작시키는 범용 디지털 컴퓨터에서 구현될 수 있다.

<33> 상기 컴퓨터로 읽을 수 있는 기록 매체는 마그네틱 저장 매체(예를 들어, 롬, 플로피 디스크, 하드디스크 등), 광학적 판독 매체(예를 들면, 시디롬, 디브이디 등) 및 캐리어 웨이브(예를 들면, 인터넷을 통한 전송)와 같은 저장 매체를 포함한다.

<34> 본 발명은 도면에 도시된 실시예를 참고로 설명되었으나 이는 예시적인 것에 불과하며, 본 기술 분야의 통상의 지식을 가진 자라면 이로부터 다양한 변형 및 균등한 타 실시예가 가능하다는 점을 이해할 것이다. 따라서, 본 발명의 진정한 기술적 보호 범위는 첨부된 등록청구범위의 기술적 사상에 의해 정해져야 할 것이다.

【발명의 효과】

<35> 상기 설명한 본 발명은 다중으로 처리되는 작업 프로세스를 차례로 디스플레이되는 상응하는 아이콘으로 선택할 수 있도록 함으로써, 간단하게 다중으로 처리되는 작업 프로세스를 선택할 수 있다.

【특허청구범위】

【청구항 1】

제1 작업 프로세스와 제2 작업 프로세스를 다중으로 처리하는 이동 단말기에서 제2 작업 프로세스를 선택하는 방법에 있어서,

(a) 상기 제2 작업 프로세스를 선택하기 위한 사용자 명령이 입력되는 단계; 및

(b) 상기 사용자 명령에 응답하여, 상기 제2 작업 프로세스에 상응하는 아이콘이 디스플레이되고, 상기 디스플레이된 아이콘에 기초하여 상기 제2 작업 프로세스가 선택되는 단계를 포함하는 것을 특징으로 하는 작업 프로세스 선택 방법.

【청구항 2】

제 1 항에 있어서, 상기 (b) 단계는

상기 사용자 명령에 응답하여, 작업 프로세스에 상응하는 아이콘이 차례로 디스플레이되는 단계;

상기 차례로 디스플레이되는 아이콘들 중에서 상기 제2 작업 프로세스에 상응하는 아이콘이 선택되는 단계; 및

상기 선택된 아이콘에 상응하는 제2 작업 프로세스가 제1 작업 프로세스와 다중으로 처리되는 단계를 포함하는 것을 특징으로 하는 작업 프로세스 선택 방법.

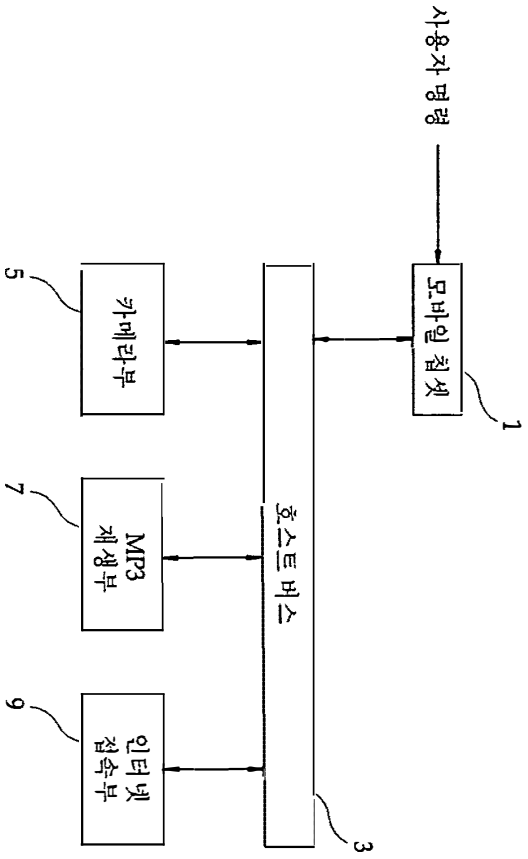
【청구항 3】

제 2 항에 있어서, 상기 (b) 단계는

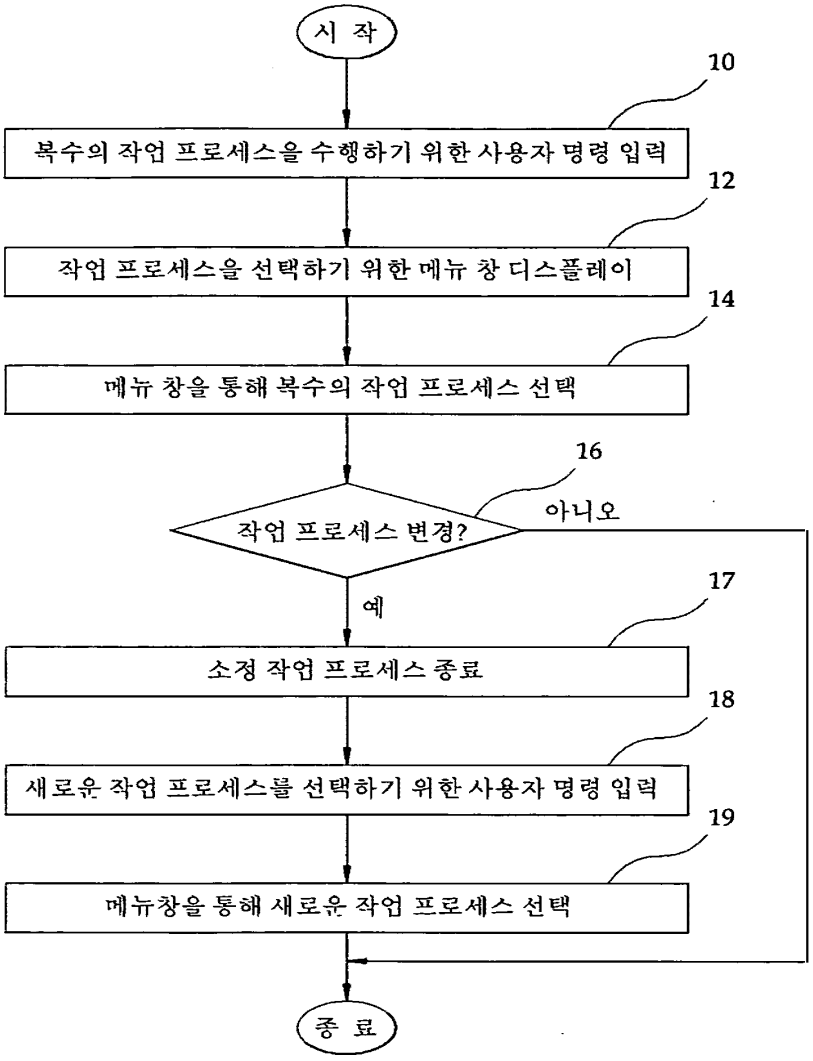
상기 제2 작업 프로세스에서 제1 작업 프로세스에 상응하는 아이콘이 디스플레이되는 단계를 더 포함하는 것을 특징으로 하는 작업 프로세스 선택 방법.

【도면】

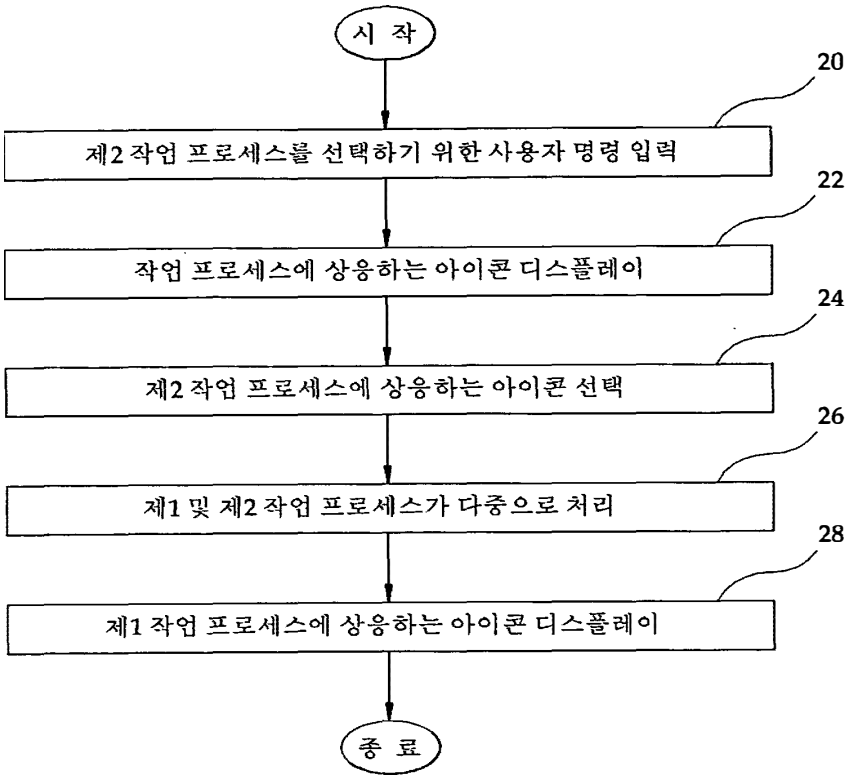
【도 1】



【도 2】


시 작
10
복수의 작업 프로세스을 수행하기 위한 사용자 명령 입력
12
작업 프로세스을 선택하기 위한 메뉴 창 디스플레이
14
메뉴 창을 통해 복수의 작업 프로세스 선택
16
작업 프로세스 변경?
아니오
예
17
소정 작업 프로세스 종료
18
새로운 작업 프로세스를 선택하기 위한 사용자 명령 입력
19
메뉴창을 통해 새로운 작업 프로세스 선택
종 료

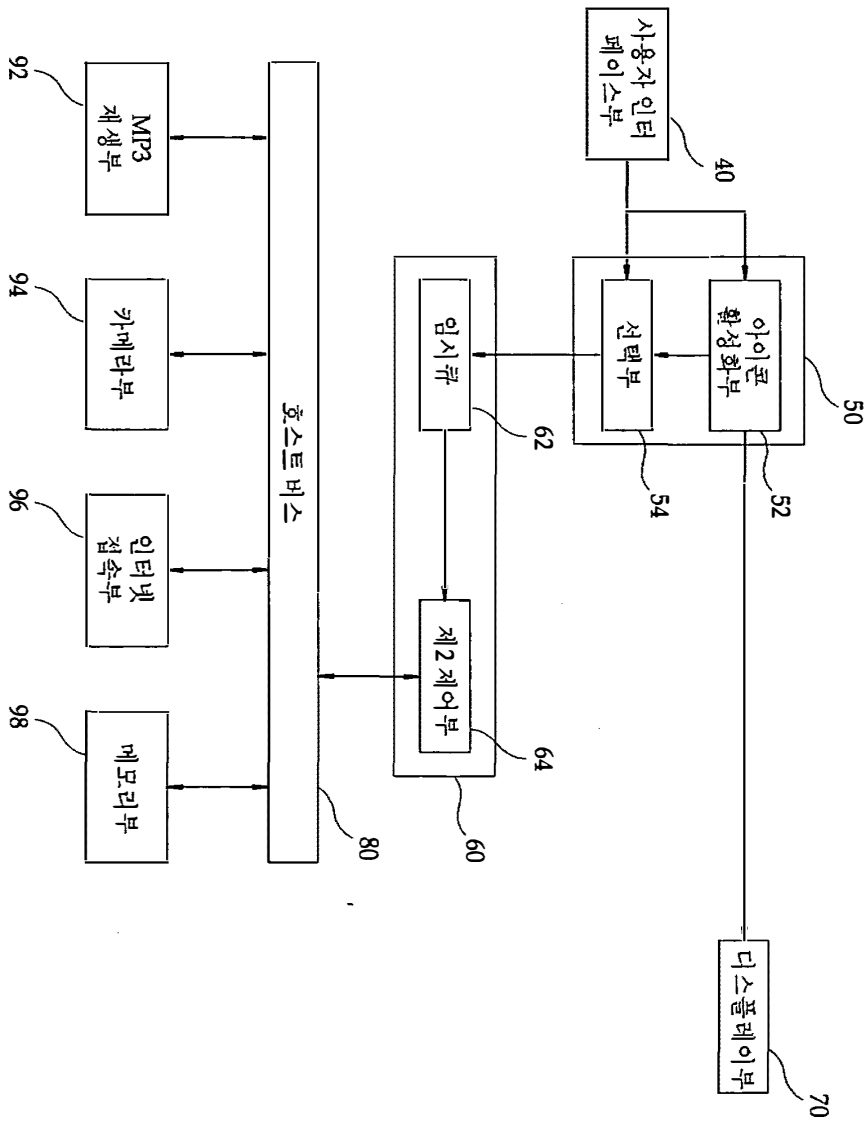
【도 3】


시 작
20
제2 작업 프로세스를 선택하기 위한 사용자 명령 입력
22
작업 프로세스에 상응하는 아이콘 디스플레이
24
제2 작업 프로세스에 상응하는 아이콘 선택
26
제1 및 제2 작업 프로세스가 다중으로 처리
28
제1 작업 프로세스에 상응하는 아이콘 디스플레이
종 료

【도 4】

bula bula song 192 kb
01 : 24 : 37
30
(a)
bula bula song 192 kb
01 : 24 : 37
31
(b)
문자 보내기
오늘 저녁에 약속이
변경 —
확 인
취 소
32
(c)
문자 보내기
오늘 저녁에 약속이
변경 —
확 인
취 소
33
(d)

【도 5】


사용자 인터페이스부
40
아이콘 활성화부
50
선택부
54
52
임시 큐
62
제2 제어부
64
60
디스플레이부
70
호스트 버스
80
MP3 재생부
92
카메라부
94
인터넷 접속부
96
메모리부
98

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【서류명】 특허출원서

【권리구분】 특허

【수신처】 특허청장

【참조번호】 0044

【제출일자】 2005.10.28

【발명의 국문명칭】 복수의 작업 프로세스를 다중으로 처리하는 이동 단말기에서 작업 프로세스를 제어하는 방법

【발명의 영문명칭】 Method for controlling the function of process in the multitasking mobile terminal

【출원인】

【명칭】 (주)팬택앤큐리텔

【출원인코드】 1-2001-021691-6

【대리인】

【명칭】 특허법인 다인

【대리인코드】 9-2005-100001-1

【지정된변리사】 임영희

【포괄위임등록번호】 2005-054275-1

【발명자】

【성명】 최슬기

【성명의 영문표기】 CHOI, SEUL KI

【주민등록번호】 780127-1055812

【우편번호】 426-871

【주소】 경기 안산시 상록구 이동 그린빌주공아파트10단지 1002동 1404호

【국적】 KR

【발명자】

【성명】 윤상진

【성명의 영문표기】 YOON, SANG JIN

【주민등록번호】 730723-1056421

【우편번호】 431-757

【주소】 경기 안양시 동안구 비산동 은하수한양아파트 504-605

【국적】 KR

【심사청구】 청구

【취지】 특허법 제42조의 규정에 의한 출원, 특허법 제60조의 규정에 의한 출원심사를 청구합니다.

대리인 특허법인 다인 (인)

【수수료】

【기본출원료】	0	면	38,000 원
【가산출원료】	16	면	0 원
【우선권주장료】	0	건	0 원
【심사청구료】	5	항	269,000 원
【합계】	307,000 원		

【요약서】

【요약】

발명은 복수의 작업 프로세스를 다중으로 처리하는 이동 단말기에 관한 것으로, 보다 구체적으로 복수의 작업 프로세스를 다중으로 처리하는 이동 단말기에서 복수의 작업 프로세스들 중 소정 작업 프로세스의 기능을 제어하는 팝업 메뉴를 활성화하여 상기 소정 작업 프로세스의 기능을 제어할 수 있는 방법에 관한 것이다.

본 발명의 상기 목적을 달성하기 위한, 제1 작업 프로세스와 제2 작업 프로세스를 다중으로 처리하는 이동 단말기에서 상기 제2 작업 프로세스의 소정 기능을 제어하는 방법은 상기 제2 작업 프로세스의 기능을 선택하기 위한 사용자 제1 명령이 입력되는 단계, 상기 사용자 제1 명령에 응답하여 상기 제2 작업 프로세스의 소정 기능을 제어하기 위한 팝업 메뉴가 디스플레이되는 단계 및 상기 디스플레이된 팝업 메뉴를 통해 상기 제2 작업 프로세스의 기능을 제어하는 단계를 포함하는 것을 특징으로 한다.

【대표도】

도 2

【색인어】

다중 작업 프로세스, 이동 단말기, MP3, 팝업 메뉴, SMS

【명세서】

【발명의 명칭】

복수의 작업 프로세스를 다중으로 처리하는 이동 단말기에서 작업 프로세스를 제어하는 방법{Method for controlling the function of process in the multitasking mobile terminal}

【도면의 간단한 설명】

<1> 도 1은 MP3 재생 프로세스와 SMS의 단문 메시지 작성 프로세스를 다중으로 처리하는 이동 단말기에서 SMS의 단문 메시지 작성 중 MP3 재생 프로세스와 관련된 소정 기능을 제어하기 위한 종래의 방법을 설명하는 흐름도이다.

<2> 도 2는 본 발명의 일 실시예에 상응하는, MP3 재생 프로세스와 SMS의 단문 메시지 작성 프로세스를 다중으로 처리하는 이동 단말기에서 SMS의 단문 메시지 작성 중 MP3 재생 프로세스와 관련된 소정 기능을 제어하는 방법을 설명하는 흐름도이다.

<3> 도 3은 본 발명의 일 실시예에 상응하여 디스플레이되는 팝업 메뉴를 도시하고 있다.

<4> 도 4는 본 발명의 일 실시예에 상응하는, MP3 재생 프로세스와 SMS 단문 메시지 작성 프로세스를 다중으로 처리하는 이동 단말기에서 상기 MP3 재생 프로세스와 관련된 기능을 제어하는 장치의 기능 블록도를 도시하고 있다.

<5> <도면의 주요 부분에 대한 설명>

<6> 30 : 사용자 인터페이스부 31 : 팝업 메뉴 활성화부

<7> 32 : 기능 제어부 33 : 임시큐

<8> 34 : 디스플레이부 35 : 데이터 버스

<9> 36 : MP3 모듈부 37 : SMS 모듈부

【발명의 상세한 설명】

【발명의 목적】

【발명이 속하는 기술분야 및 그 분야의 종래기술】

<10> 본 발명은 복수의 작업 프로세스를 다중으로 처리하는 이동 단말기에 관한 것으로, 보다 구체적으로 복수의 작업 프로세스를 다중으로 처리하는 이동 단말기에서 제1 작업 프로세스 진행 중 제2 작업 프로세스의 기능을 제어하는 팝업 메뉴를 활성화하여 상기 제2 작업 프로세스의 기능을 제어할 수 있는 방법에 관한 것이다.

<11> 최근 이동 통신 기술의 발전으로 휴대폰, PDA 등과 같은 다양한 종류의 이동 단말기가 출시되고 있다. 상기 이동 단말기는 무선 통신이라는 본래의 기능 이외에 카메라 기능, 멀티미디어 재생 기능, 인터넷 접속 기능 등과 같은 다양한 기능을 구비하고 있다. 또한, 이동 단말기에 부착되는 마이크로 프로세서의 성능이 향상되면서 복수의 작업 프로세스를 다중으로 처리할 수 있는, 즉 멀티 태스킹이 가능한 이동 단말기가 개발되고 있다. 예를 들어, MP3 음악 파일을 재생하면서 동시에 SMS(short message service)의 단문 메시지를 작성하는 등과 같이 복수의 작업

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프로세스를 다중으로 처리할 수 있게 되었다.

<12> MP3 재생 프로세스와 SMS의 단문 메시지 작성 프로세스를 다중으로 처리하는 이동 단말기에서 SMS의 단문 메시지 작성 중 MP3 재생 프로세스와 관련된 소정 기능을 제어하기 위한 종래의 방법이 도 1을 참고로 설명된다.

<13> MP3 재생 중 SMS 단문 메시지 작성 프로세스를 처리하기 위한 사용자 제1 명령이 입력된다(단계 1). 상기 사용자 제1 명령에 상응하여 SMS 단문 메시지 작성 프로세스에 상응하는 화면이 디스플레이되고, MP3 음악 파일이 재생되는 동시에 SMS 단문 메시지 작성 프로세스가 수행된다(단계 2). SMS 단문 메시지 작성 중 MP3 재생 프로세스와 관련된 기능을 제어하기 위한 사용자 제2 명령이 입력되는지를 판단한다(단계 3). 상기 사용자 제2 명령이 입력되면 작성 중이던 SMS 단문 메시지를 메모리부에 저장하고(단계 5) SMS 단문 메시지 작성 프로세스를 종료한다(단계 7). SMS 단문 메시지 작성 프로세스 종료 후 MP3 재생 프로세스에 관련된 기능을 제어한다(단계 9). 단문 메시지 작성 프로세스가 종료하면 MP3 재생 프로세스에 상응하는 화면이 다시 디스플레이되고, MP3 재생 프로세스에 관련된 기능을 제어하기 위한 사용자 제3 명령이 입력된다. 상기 사용자 제3 명령에 상응하는 제어 신호를 생성하여 MP3 재생 프로세스와 관련된 기능을 제어한다.

【발명이 이루고자 하는 기술적 과제】

<14> 상기 설명한, MP3 재생 프로세스와 SMS 단문 메시지 작성 프로세스가 다중으로 처리되는 이동 통신 단말기에서 사용자는 SMS 단문 메시지를 작성하는 중 MP3 재생 프로세스와 관련된 기능, 예를 들어 볼륨을 제어하거나 MP3 음악 파일의 리스

트를 선택하기 위해 SMS 단문 메시지 작성 프로세스를 중단하여야 한다. SMS 단문 메시지 작성 프로세스를 중단하는 경우, 작성 중이던 단문 메시지가 삭제되거나 임시 편지함과 같은 소정의 메모리 공간에 저장된다. 따라서, SMS 단문 메시지 작성 프로세스를 다시 선택하여 처음부터 단문 메시지를 다시 작성하거나 임시 편지함에서 저장된 단문 메시지를 불러와야 하는 불편함이 있다.

<15> 따라서, 본 발명이 이루고자 하는 목적은 복수의 작업 프로세스를 다중으로 처리하는 이동 단말기에서 소정 작업 프로세스의 기능을 제어하기 위한 팝업 메뉴를 활성화하고 상기 활성화된 팝업 메뉴를 통해 상기 소정 작업 프로세스의 기능을 제어하는 방법을 제공하는 것이다.

【발명의 구성】

<16> 본 발명의 상기 목적을 달성하기 위한, 제1 작업 프로세스와 제2 작업 프로세스를 다중으로 처리하는 이동 단말기에서 상기 제1 작업 프로세스의 진행 중 제2 작업 프로세스의 소정 기능을 제어하는 방법은 상기 제2 작업 프로세스의 기능을 선택하기 위한 사용자 제1 명령이 입력되는 단계((a) 단계), 상기 사용자 제1 명령에 응답하여 상기 제2 작업 프로세스의 소정 기능을 제어하기 위한 팝업 메뉴가 디스플레이되는 단계((b) 단계) 및 상기 디스플레이된 팝업 메뉴를 통해 상기 제2 작업 프로세스의 기능을 제어하는 단계((c) 단계)를 포함하는 것을 특징으로 한다.

<17> 바람직하게, 상기 (c) 단계는 상기 제2 작업 프로세스의 기능을 제어하기 위한 사용자 제2 명령이 입력되는 단계, 상기 사용자 제2 명령에 상응하여 제2 작업 프로세스의 기능을 제어하기 위한 제어 신호를 생성하는 단계 및 상기 생성된 제어

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신호에 따라 제2 작업 프로세스의 기능을 제어하는 단계를 포함하는 것을 특징으로 한다.

<18> 이하 첨부된 도면을 참고로 본 발명에 상응하는 작업 프로세스의 기능 제어 방법에 대해 보다 구체적으로 설명한다.

<19> 도 2는 본 발명의 일 실시예에 상응하는, MP3 재생 프로세스와 SMS의 단문 메시지 작성 프로세스를 다중으로 처리하는 이동 단말기에서 SMS의 단문 메시지 작성 중 MP3 재생 프로세스와 관련된 소정 기능을 제어하는 방법을 설명하는 흐름도이다. SMS 단문 메시지 작성 중 MP3 재생 프로세스와 관련된 기능을 제어하기 위한 사용자 제1 명령이 입력된다(단계 10).

<20> 상기 사용자 제1 명령에 응답하여, 이동 단말기의 디스플레이부에는 MP3 재생 프로세스와 관련된 기능을 제어하기 위한 팝업 메뉴가 활성화된다(단계 12). 상기 팝업 메뉴가 활성화되는 경우, MP3 재생 프로세스와 관련된 기능을 제어하기 위한 사용자 제2 명령이 입력되며 상기 사용자 제2 명령에 응답하여 MP3 재생 프로세스와 관련된 기능이 제어된다(단계 14). 상기 팝업 메뉴가 활성화되는 경우 팝업 메뉴를 이용하여 MP3 재생 프로세스에 관련된 기능을 제어하기 위한 팝업 프로세스가 임시큐로 할당되고 SMS 단문 메시지의 작성과 동시에 팝업 프로세스가 다중으로 처리된다. 즉, 팝업 프로세스와 SMS 단문 메시지의 작성 프로세스가 소정의 실행 단위(quantum unit)로 분할되고, 일정한 시간마다 팝업 프로세스와 SMS 단문 메시지의 전송 프로세스가 번갈아 처리된다. 상기 사용자 제2 명령이 입력되는 경우 팝업 프로세스는 상기 사용자 제2 명령에 상응하는 제어 신호를 생성하여 MP3

재생 프로세스로 제공하며, MP3 재생 프로세스는 제공된 제어 신호에 따라 MP3 재생 프로세스에 관련된 기능을 제어한다.

<21> SMS 단문 메시지 작성 프로세스로 복귀하기 위한 사용자 제3 명령이 입력되는지를 판단한다(단계 16). MP3 재생 프로세스와 관련된 기능의 제어 완료 후 상기 사용자 제3 명령이 입력되는 경우, 상기 활성화된 팝업 메뉴는 불활성화된다(단계 18). 상기 팝업 메뉴가 임시큐에서 삭제되어 팝업 프로세스가 종료하더라도 MP3 재생 프로세스와 SMS 단문 메시지 작성 프로세스는 계속되며 사용자는 MP3 음악 파일을 들으며 작성 중이던 단문 메시지를 연속해서 작성할 수 있다.

<22> 바람직하게, 상기 사용자 제1 내지 제3 명령은 이동 단말기의 키패드에 배치된 소정의 키, 사용자의 음성, 이동 단말기의 움직임 등을 통해 입력될 수 있다.

<23> 바람직하게, 상기 사용자 제1 명령과 제3 명령은 이동 단말기의 동일 키를 통해 입력되는 것을 특징으로 한다.

<24> 도 3은 본 발명의 일 실시예에 상응하여 디스플레이되는 팝업 메뉴를 도시하고 있다.

<25> 도 3의 (a)는 MP3 재생 프로세스와 SMS 단문 메시지 작성 프로세스가 다중으로 처리될 때의 화면을 도시하고 있다. 바람직하게, SMS 단문 메시지 작성 프로세스와 다중으로 처리되는 MP3 재생 프로세스를 나타내는 아이콘(22)이 디스플레이부의 일부분에 함께 디스플레이된다.

<26> 도 3의 (b)는 상기 사용자 제1 명령에 응답하여 팝업되는 메뉴를 도시하고

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있다. 상기 팝업 메뉴는 소정 포맷을 가지며 상기 디스플레이되는 팝업 메뉴에 대한 이미지 정보는 이동 단말기의 메모리부에 저장되어 있다. 바람직하게, 상기 사용자 제1 명령에 응답하여 팝업 메뉴는 밝고 선명하게 디스플레이되고 SMS 단문 메시지 프로세스에 상응하는 화면은 어둡게 흐르게 디스플레이될 수 있다.

<27> 도 4는 본 발명의 일 실시예에 상응하는, MP3 재생 프로세스와 SMS 단문 메시지 작성 프로세스를 다중으로 처리하는 이동 단말기에서 상기 MP3 재생 프로세스에 관련된 기능을 제어하는 장치의 기능 블록도를 도시하고 있다. 도 4를 참고로, 본 발명에 상응하는 기능 제어 장치는 사용자 인터페이스부(30), 팝업 메뉴 활성화부(31), 기능 제어부(32), 임시큐(33), 디스플레이부(34), 데이터 버스(35), 다수의 애플리케이션 모듈(36, 37, 38) 및 메모리부(39)를 포함하고 있다.

<28> 사용자 인터페이스부(30)를 통해 사용자 제1 명령이 입력된다. 상기 사용자 제1 명령에 응답하여 팝업 메뉴 활성화부(31)는 데이터 버스(35)를 통해 메모리부(39)에 소정 포맷으로 저장되어 있는 팝업 메뉴에 대한 이미지 정보를 획득하고 상기 팝업 메뉴를 디스플레이부(34)에 활성화시킨다. 한편, 임시큐(33)에는 팝업 프로세스가 저장된다.

<29> 사용자 인터페이스부(30)를 통해 MP3 재생 프로세스에 관련된 기능을 제어하기 위한 사용자 제2 명령이 입력되고, 기능 제어부(32)는 상기 사용자 제2 명령에 응답하여 팝업 메뉴를 제어하기 위한 제1 제어 신호를 생성한다. 임시큐(33)에 저장되어 있는 MP3 재생 프로세스, SMS 단문 메시지 작성 프로세스 및 팝업 프로세스는 일정한 시간 간격마다 번갈아 처리되며, 상기 생성된 제1 제어 신호는 데이터

버스(35)를 통해 MP3 모듈로 전송되어 MP3 재생 프로세스와 관련된 기능이 제어된다.

<30> 사용자 인터페이스부(30)를 통해 상기 팝업 프로세스를 종료하기 위한 사용자 제3 명령이 입력된다. 상기 사용자 제3 명령에 응답하여 기능 제어부(32)는 팝업 메뉴를 불활성하기 위한 제2 제어 신호를 생성하며, 상기 생성된 제2 제어 신호는 데이터 버스(35)를 통해 임시큐(33)로 전달된다. 임시큐(33)는 상기 제2 제어 신호에 응답하여 팝업 프로세스를 삭제하고 팝업 프로세스는 종료한다.

<31> 한편, 상술한 본 발명의 실시예들은 컴퓨터에서 실행될 수 있는 프로그램으로 작성 가능하고, 컴퓨터로 읽을 수 있는 기록 매체를 이용하여 상기 프로그램을 동작시키는 범용 디지털 컴퓨터에서 구현될 수 있다.

<32> 상기 컴퓨터로 읽을 수 있는 기록 매체는 마그네틱 저장 매체(예를 들어, 롬, 플로피 디스크, 하드디스크 등), 광학적 판독 매체(예를 들면, 시디롬, 디브이디 등) 및 캐리어 웨이브(예를 들면, 인터넷을 통한 전송)와 같은 저장 매체를 포함한다.

<33> 본 발명은 도면에 도시된 실시예를 참고로 설명되었으나 이는 예시적인 것에 불과하며, 본 기술 분야의 통상의 지식을 가진 자라면 이로부터 다양한 변형 및 균등한 타 실시예가 가능하다는 점을 이해할 것이다. 따라서, 본 발명의 진정한 기술적 보호 범위는 첨부된 등록청구범위의 기술적 사상에 의해 정해져야 할 것이다.

【발명의 효과】

<34> 상기 설명한 본 발명은 MP3 재생 프로세스와 SMS 단문 메시지 작성 프로세스가 다중으로 처리되는 이동 단말기에서 팝업 메뉴를 통해 MP3 재생 프로세스와 관련된 기능을 제어함으로써, SMS 단문 메시지를 작성하는 동안에도 간편하게 MP3 재생 프로세스에 관련된 기능을 제어할 수 있다.

<35> 또한, 상기 설명한 본 발명은 MP3 재생 프로세스와 SMS 단문 메시지 작성 프로세스가 다중으로 처리되는 이동 단말기에서 팝업 메뉴를 통해 MP3 재생 프로세스와 관련된 기능을 제어함으로써, MP3 재생 프로세스와 관련된 기능을 제어한 후 작성 중이던 단문 메시지를 연속하여 작성할 수 있다.

【특허청구범위】

【청구항 1】

제1 작업 프로세스와 제2 작업 프로세스를 다중으로 처리하는 이동 단말기에서 제1 작업 프로세스의 진행 중 제2 작업 프로세스의 소정 기능을 제어하는 방법에 있어서,

(a) 상기 제2 작업 프로세스의 기능을 선택하기 위한 사용자의 제1 명령이 입력되는 단계;

(b) 상기 사용자의 제1 명령에 응답하여, 상기 제2 작업 프로세스의 소정 기능을 제어하기 위한 팝업 메뉴가 활성화되는 단계; 및

(c) 상기 활성화된 팝업 메뉴를 통해 상기 제2 작업 프로세스의 기능을 제어하는 단계를 포함하는 것을 특징으로 하는 작업 프로세스 제어 방법.

【청구항 2】

제 2 항에 있어서, 상기 (c) 단계는

상기 제2 작업 프로세스의 기능을 제어하기 위한 사용자의 제2 명령이 입력되는 단계;

상기 사용자의 제2 명령에 상응하여 제2 작업 프로세스의 기능을 제어하기 위한 제어 신호를 생성하는 단계; 및

상기 생성된 제어 신호에 따라 제2 작업 프로세스의 기능을 제어하는 단계를 포함하는 것을 특징으로 하는 작업 프로세스 제어 방법.

【청구항 3】

제 2 항에 있어서,

상기 활성화된 팝업 메뉴를 불활성화하기 위한 사용자의 제3 명령이 입력되는 단계; 및

상기 사용자의 제3 명령에 응답하여 상기 활성화된 팝업 메뉴를 불활성화시키는 단계를 더 포함하는 것을 특징으로 하는 작업 프로세스 제어 방법.

【청구항 4】

제 3 항에 있어서, 상기 사용자의 제1 명령과 제3 명령은

상기 이동 단말기의 동일 키를 통해 입력되는 것을 특징으로 하는 작업 프로세스 제어 방법.

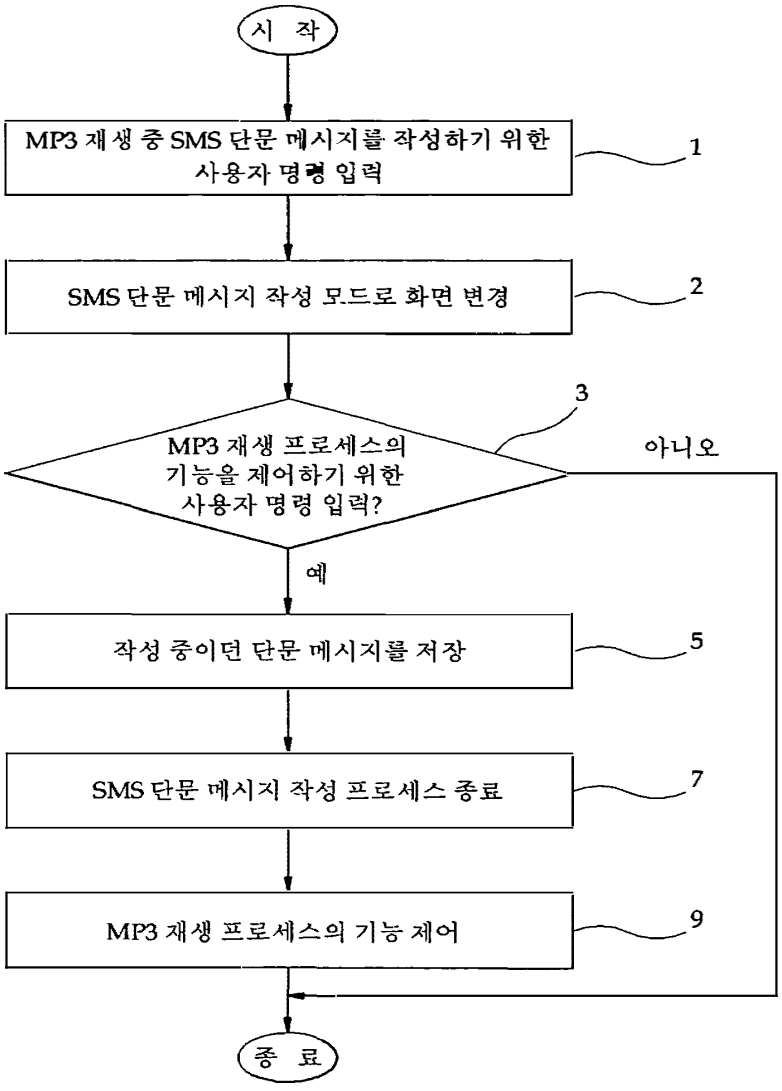
【청구항 5】

제 3 항에 있어서, 상기 제2 작업 프로세스는

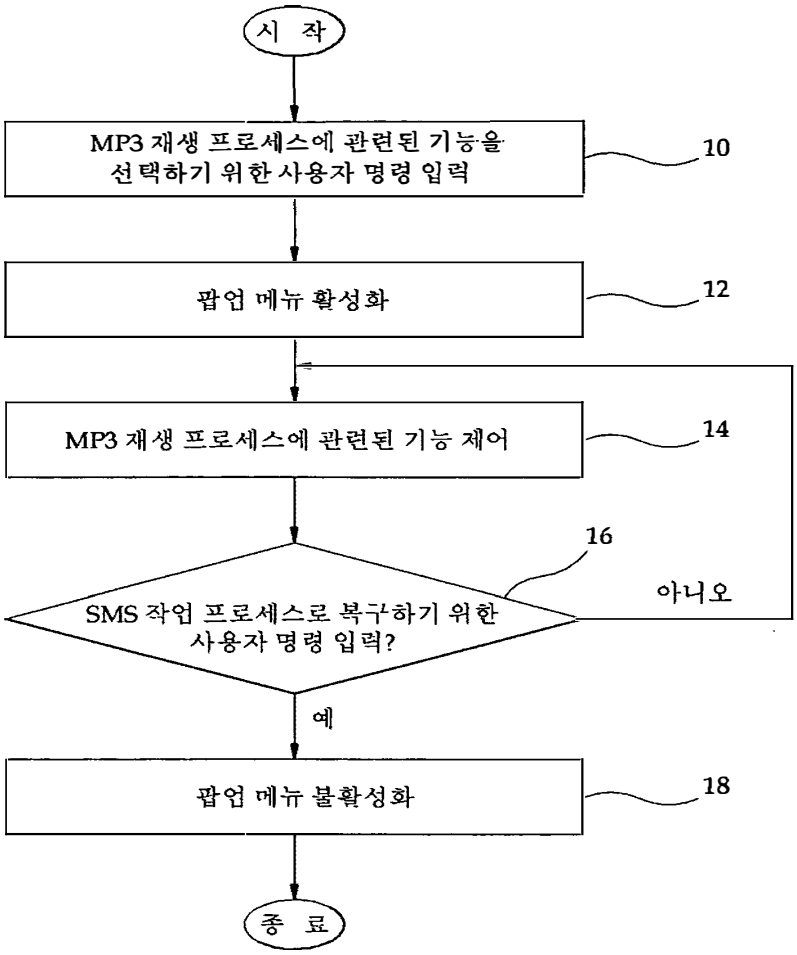
MP3 재생 프로세스인 것을 특징으로 하는 작업 프로세스 제어 방법.

【도면】

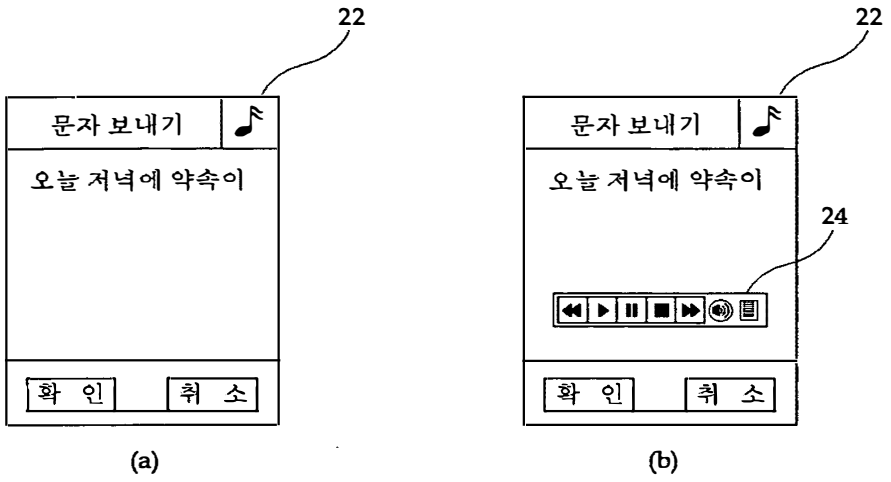
【도 1】


시 작
MP3 재생 중 SMS 단문 메시지를 작성하기 위한 사용자 명령 입력
1
SMS 단문 메시지 작성 모드로 화면 변경
2
MP3 재생 프로세스의 기능을 제어하기 위한 사용자 명령 입력?
3
아니오
예
작성 중이던 단문 메시지를 저장
5
SMS 단문 메시지 작성 프로세스 종료
7
MP3 재생 프로세스의 기능 제어
9
종 료

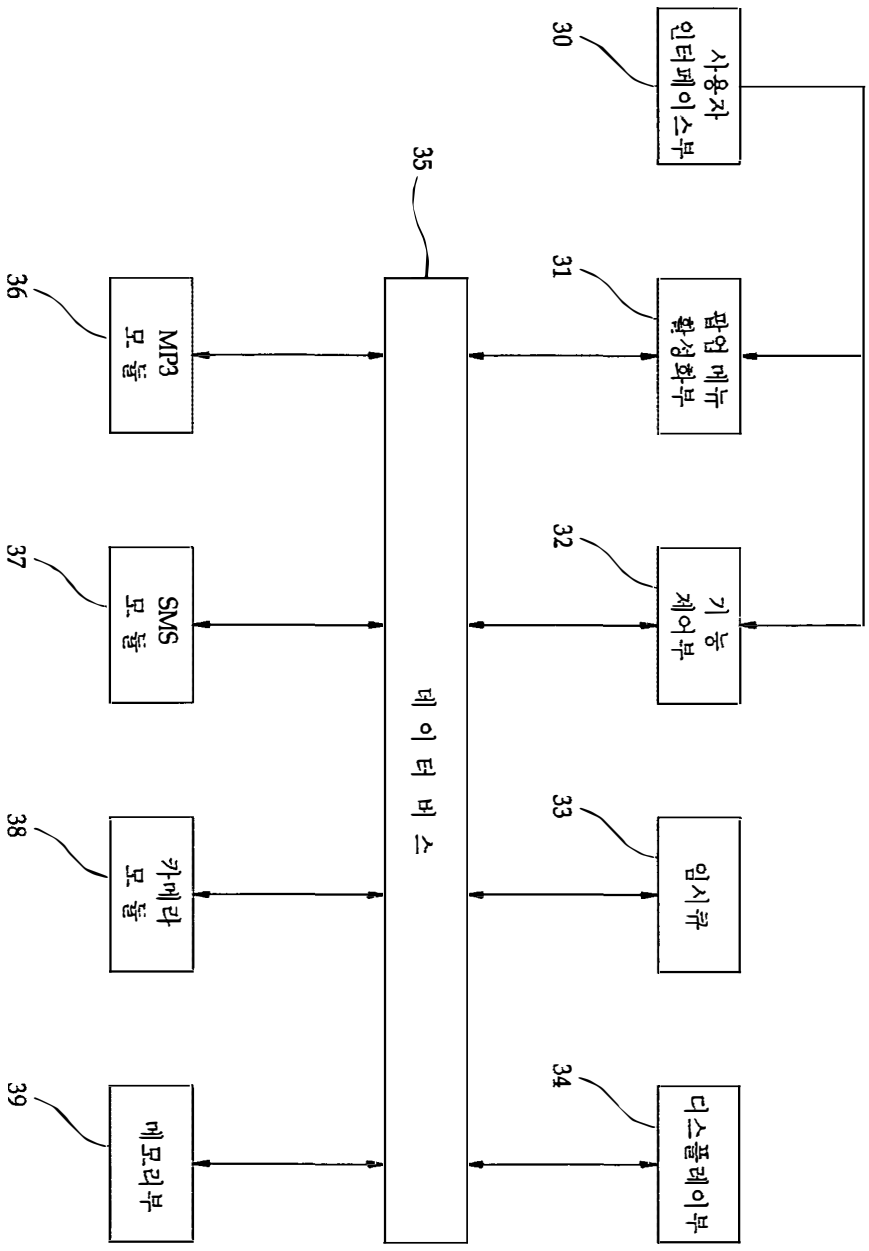
【도 2】


시 작
MP3 재생 프로세스에 관련된 기능을 선택하기 위한 사용자 명령 입력
10
팝업 메뉴 활성화
12
MP3 재생 프로세스에 관련된 기능 제어
14
16
SMS 작업 프로세스로 복구하기 위한 사용자 명령 입력?
아니오
예
팝업 메뉴 불활성화
18
종 료

【도 3】



【도 4】


사용자 인터페이스부
30
35
팝업 메뉴 활성화부
31
MP3 모듈
36
기능 제어부
32
SMS 모듈
37
데이터 버스
임시큐
33
카메라 모듈
38
디스플레이부
34
메모리부
39

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17224 U.S. PTO 072806

NEW UTILITY PATENT APPLICATION TRANSMITTAL

(only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket Number	25370-11880
First Named Inventor	Seul Ki CHOI
Title	Method For Selecting And Controlling Second Work Process During First Work Process In Multitasking Mobile Terminal
Express Mail Label No.	EV 542675855US

112949 U.S. PTO 11/495863 072806

APPLICATION ELEMENTS

1. ☒ Fee Transmittal Form (in duplicate)
2. ☐ Applicant claims small entity status. See 37 CFR 1.27
3. ☒ Specification *Total Pages* 21
   (preferred arrangement set forth below)
   - Descriptive Title of the Invention
   - Cross Reference(s) to Related Case(s)
   - Statement Regarding Fed sponsored R & D
   - Background of the Invention
   - Brief Summary of the Invention
   - Brief Description of the Drawing(s)
   - Detailed Description
   - Claim or Claims
   - Abstract of the Disclosure
4. ☒ Drawing(s) *(35 U.S.C. 113)* *Total Sheets* 10
5. Oath or Declaration
   a. ☒ New Declaration *Total Pages* 2
      ☒ Executed (original or copy)
   b. ☐ Copy from a prior application (37 CFR 1.63(d))
      (for continuation/divisional with Box 18 completed)
      i. ☐ DELETION OF INVENTOR(S)
      Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ACCOMPANYING APPLICATION PARTS

7. ☒ Assignment Papers (cover sheet & document(s))
8. ☒ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
9. ☒ Power of Attorney or Authorization of Agent
10. ☐ 37 CFR 3.73(b) Statement
11. ☐ Preliminary Amendment
12. ☐ Information Disclosure Statement & PTO/SB/08A
    ☐ Copies of IDS Citation(s)
13. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent
14. ☒ Return Postcard
15. ☒ Transmittal of Priority Document
16. ☐
17. ☐

ADDRESS TO:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

18. **If a CONTINUING APPLICATION,** *check appropriate box and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:*

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: ___/_____

Prior application information: *Examiner:* _____ *Group/Art Unit:* _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuing or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ *Customer Number* 00758

Name (Print/Type)	Jae Won Song	*Registration No. (Attorney/Agent)*	Ltd. Rec. No. L0203
Signature		*Date*	July 28, 2006

Effective on 12/08/2004. *Fees pursuant to the Consolidated Appropriations Act. 2005 (H.R. 4818).*	*Complete if Known*	
FEE TRANSMITTAL **For FY 2006**	Application Number	Unknown
	Filing Date	Unknown
	First Named Inventor	Seul Ki Choi
☐ Applicant claims small entity status. See 37 CFR 1.27	Examiner Name	Unknown
TOTAL AMOUNT OF PAYMENT ($) 1,040.00	Art Unit	Unknown
	Attorney Docket No.	25370-11880

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ Other (please identify):

☐ Deposit Account Deposit Account Number: 19-2555 Deposit Account Name: Fenwick & West LLP

☒ Charge all required fee(s) or any underpayment of fee(s) ☒ Credit any overpayments

due under 37 CFR §1.16 or §1.17 during the pendency of this application

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

	FILING FEES		SEARCH FEES		EXAMINATION FEES		
		Small Entity		Small Entity		Small Entity	
Application Type	Fee ($)	Fee ($)	Fee ($)	Fee ($)	Fee ($)	Fee ($)	Fees Paid ($)
Utility	300	150	500	250	200	100	**1,000.00**
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Small Entity Fee	Small Entity Fee
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims		Extra Claims		Fee ($)		Fee Paid ($)	Multiple Dependent Claims Fee ($)	Multiple Dependent Claims Fee Paid ($)
8	- 20 or HP =	0	x	50	=	0.00		

HP = highest number of total claims paid for, if greater than 20

Total Independent Claims		Extra Claims		Fee ($)		Fee Paid ($)
2	- 3 or HP =	0	x	200	=	0.00

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets		Extra Sheets		Number of each additional 50 or fraction thereof		Fee ($)		Fee Paid ($)
31	- 100 =	0	/ 50 =	(round up to a whole number)	x		=	0.00

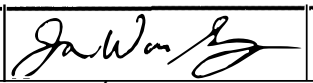
4. OTHER FEE(S) **Fees Paid ($)**

Non-English Specification, $130 fee (no small entity discount)

Assignment: **40.00**

Other:

SUBMITTED BY

Signature		Registration No.: (Attorney/Agent) Ltd. Rec. No. L0203	Telephone: (650) 335-7164
Name (Print/Type)	Jae Won Song		Date: July 28, 2006

25370/11880/DOCS/1643381.1

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APPLICATION NUMBER	FILING OR 371(c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/495,863	07/28/2006	Seul Ki Choi	25370-11880

CONFIRMATION NO. 3379

758
FENWICK & WEST LLP
SILICON VALLEY CENTER
801 CALIFORNIA STREET
MOUNTAIN VIEW, CA94041

Title: Method for selecting and controlling second work process during first work process in multitasking mobile terminal

Publication No. US-2007-0039005-A1
Publication Date: 02/15/2007

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently http://www.uspto.gov/patft/.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently http://pair.uspto.gov/. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 703-305-3028.

Pre-Grant Publication Division, 703-605-4283

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/495,863	07/28/2006	Seul Ki Choi	25370-11880	3379

758 7590 08/31/2010

FENWICK & WEST LLP
SILICON VALLEY CENTER
801 CALIFORNIA STREET
MOUNTAIN VIEW, CA 94041

EXAMINER	
KRISHNAN, NIKHIL R	
ART UNIT	PAPER NUMBER
2195	

NOTIFICATION DATE	DELIVERY MODE
08/31/2010	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTOC@Fenwick.com

Office Action Summary	Application No.	Applicant(s)	
	11/495,863	CHOI ET AL.	
	Examiner	Art Unit	
	NIKHIL KRISHNAN	2195	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *28 July 2006*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-8* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-8* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *28 July 2006* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1-8 are pending.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 1-3 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

a. The following claim language is unclear:

i. Claim 1, lines 7-8 recite "selecting the second work process based on the displayed icon" but it is unclear how/when this occurs (wasn't the second work process selected based on the user command of step (a)? is there a second input for selecting an icon).

Claim Rejections - 35 USC § 102

> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-3 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent 7,123,945 B2 to Kokubo (hereafter Kokubo).

4. As per claim 1, Kokubo teaches a method for selecting a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process (Abstract, lines 1-5; col 2, lines 6-12), the method comprising:

(a) inputting a user command for selecting the second work process (Fig. 11; col 13, lines 23-31: operation keys 164 utilized to select sub-display with list of task icons); and

(b) displaying an icon corresponding to the second work process in response to the user command, and selecting the second work process based on the displayed icon (Fig. 11; col 13, lines 31-32: "i" icon selected; Fig. 9: steps 107, 108, 103, 104: generate icon in response to attempt to active another task).

5. As per claim 2, Kokubo teaches wherein the step (a) comprises:

sequentially displaying icons corresponding to work processes in response to the user command (Fig. 11: sub-display unit 142 shows sequence of task icons);

selecting an icon corresponding to the second work process among the sequentially displayed icons (col 13, lines 23-32); and

concurrently performing the second work process corresponding to the selected icon together with the first work process (col 13, lines 33-39: internet process and phone call concurrent).

6. As per claim 3, Kokubo teaches wherein a screen image of the selected second work process and an icon corresponding to the first work process are displayed together (Fig. 12: sub-display 142 with busy icon, while internet process is on main screen 122; col 13, lines 19-23).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

7. Claims 4-6 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kokubo, further in view of U.S. Patent 7,222,304 B2 to Beaton, et. al (hereafter Beaton).

8. As per claim 4, Kokubo teaches a method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process (Abstract, lines 1-5; col 2, lines 6-12), the method comprising:

(a) inputting a first command of user for selecting a predetermined function of the second work process (col 5, lines 7-10: functions of e-mail process include creating. Transmitting, and receiving; col 13, lines 58 - col 14, line 1: command to create a new e-mail message input);

(b) activating a menu for controlling the predetermined function of the second work process in response to the first command of user (col 13, lines 66—col 14, line 1); and

(c) controlling the predetermined function of the second work process through the activated menu (col 14, lines 4-7).

9. Kokubo does not explicitly teach that the menu for controlling the predetermined function is a pop-up menu.

10. Beaton teaches activating a pop-up menu for controlling the predetermined function of the second work process in response to the first command of user (col 6, lines 59-67: both SMS note and phone-call concurrently performed; Fig. 8A: screen during call; Fig. 8B: selecting Note Pad button creates pop-up Note Pad window of 8B for controlling new message functionality).

11. It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Beaton with Kokubo because Beaton teaching of a pop-up menu would have allowed for the status of concurrent, background applications to be monitored on the same screen.

12. As per claim 5, Beaton teaches wherein the step (c) comprises:

inputting a second command of user for controlling the predetermined function of the second work process (Fig. 8C; col 7, lines 5-6: user inputs message);

generating a control signal for controlling the predetermined function of the second work process in response to the second command of user (Fig. 8C: understood that a signal must be generated to display writing on screen in response to user input); and

controlling the predetermined function of the second work process in response to the generated control signal (Fig. 8C: the user's writing is registered, signals generated, and finally output to the display as settings of the function).

13. As per claim 6, Beaton teaches further comprising:

inputting a third command of user for deactivating the activated pop-up menu (Fig. 8c: Send or Quit buttons); and

deactivating the activated pop-up menu in response to the third command of user (Fig. 7, lines 21-24: returns to screen of Fig. 8A with deactivated pop-up).

14. As per claim 8, Kokubo teaches wherein the second work process is a music play process (Fig. 10; col 14, lines 17-30).

15. Kokubo does not explicitly teach that the music play process is an MP3 play process. Nonetheless, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide support for mp3 playback in the music play

process because this would have ensured the music playback functionality was compatible with a popular file type.

16. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kokubo and Beaton, and further in view of U.S. Pre-Grant Publication 2006/0247851 A1 to Morris (hereafter Morris).

17. As per claim 7, Kokubo does not explicitly teach wherein the first command of user and the third command of user are inputted through an identical key of the mobile terminal.

18. Morris teaches wherein the first command of user and the third command of user are inputted through an identical key of the mobile terminal ([0021], lines 5-10: channel guide button 32 used to activate channel guide screen; [0033], last sentence: pressing channel guide button 32 while channel guide is already active will deactivate channel guide).

19. It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Morris with Kokubo because Morris teaching of a designated button for activating and deactivating a corresponding process would have allowed for quick access to popular multitasking processes.

Conclusion

20. Any inquiry concerning this communication or earlier communications from the examiner should be directed to NIKHIL KRISHNAN whose telephone number is (571) 270-5590. The examiner can normally be reached on M-Th, 8:30 am -7 pm.

21. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emerson Puente, can be reached on (571) 272-3652. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

22. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Emerson C Puente/
Supervisory Patent Examiner, Art Unit 2195

NIKHIL KRISHNAN
Examiner
Art Unit 2195

Notice of References Cited	Application/Control No. 11/495,863	Applicant(s)/Patent Under Reexamination CHOI ET AL.	
	Examiner NIKHIL KRISHNAN	Art Unit 2195	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2003/0013483 A1	01-2003	Ausems et al.	455/556
*	B	US-7,123,945 B2	10-2006	Kokubo, Takeshi	455/566
*	C	US-2006/0247851 A1	11-2006	Morris, Robert P.	701/209
*	D	US-7,222,304 B2	05-2007	Beaton et al.	715/744
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11495863	CHOI ET AL.
	Examiner	Art Unit
	NIKHIL KRISHNAN	2195

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	08/23/2010								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
	6	✓								
	7	✓								
	8	✓								

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11495863	CHOI ET AL.
	Examiner	Art Unit
	NIKHIL KRISHNAN	2195

SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
Inventor search in PALM	8/23/10	NK
Keyword search in EAST, see attached	8/23/10	NK

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

/N. K./ Examiner.Art Unit 2195	

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	(11/495863).APP.	US-PGPUB; USPAT	OR	OFF	2010/08/23 09:24
L4	1	(10/870480).APP.	US-PGPUB; USPAT	OR	OFF	2010/08/23 09:44
L5	11	("2005/0064911").URPN.	USPAT	ADJ	ON	2010/08/23 09:44
L11	4	(overlay WITH task WITH menu)	US-PGPUB; USPAT	ADJ	ON	2010/08/23 09:47
L13	43	(pop-up WITH menu WITH (music OR mp3))	US-PGPUB; USPAT	ADJ	ON	2010/08/23 09:50
L14	19	(overlay WITH music WITH menu)	US-PGPUB; USPAT	ADJ	ON	2010/08/23 09:50
L15	1	L14 AND ((mobile OR cellular) (phone OR terminal OR device))	US-PGPUB; USPAT	ADJ	ON	2010/08/23 09:52
L17	18	L13 AND ((mobile OR cellular) (phone OR terminal OR device))	US-PGPUB; USPAT	ADJ	ON	2010/08/23 09:52
L18	207	interface WITH (multi-tasking OR multitasking OR parallel OR concurrent OR concurrently) WITH ((mobile OR cellular) (phone OR device OR terminal))	US-PGPUB; USPAT	ADJ	ON	2010/08/23 09:58
L19	141	interface WITH (multi-tasking OR multitasking OR parallel) WITH ((mobile OR cellular) (phone OR device OR terminal))	US-PGPUB; USPAT	ADJ	ON	2010/08/23 09:58
L20	9	interface WITH (multi-tasking OR multitasking) WITH ((mobile OR cellular) (phone OR device OR terminal))	US-PGPUB; USPAT	ADJ	ON	2010/08/23 09:58
L21	29	("6018711").URPN.	USPAT	ADJ	ON	2010/08/23 10:00

L22	47	("5632002").PN. OR ("6012030").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/23 10:00
L23	133	interface WITH (parallel) WITH ((mobile OR cellular) (phone OR device ORterminal))	US-PGPUB; USPAT	ADJ	ON	2010/08/23 10:01
L24	19	("20010049603" | "20040103034" | "5734910" | "5945989" | "5999908" | "6012030" | "6119147" | "6129276" | "6173266" | "6330539" | "6338053" | "6363393" | "6377913" | "6473739" | "6501832" | "6513063" | "6523061" | "7062454" | "7174308").PN. OR ("7603291").URPN.	US-PGPUB; USPAT; USOCR	ADJ		2010/08/23 10:06
L25	1	("7222304").PN.	US-PGPUB; USPAT	OR	OFF	2010/08/23 10:14
L26	16	("5465401" | "5715524" | "5719936" | "5754636" | "5838775" | "5900875" | "6009469" | "6177950" | "6321158").PN. OR ("7222304").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/23 10:15
L32	0	(mobile phone) WITH (music button)	US-PGPUB; USPAT	ADJ	ON	2010/08/23 12:15
L33	9	(mobile phone) WITH (volume button)	US-PGPUB; USPAT	ADJ	ON	2010/08/23 12:16
L34	6	(mobile phone) WITH (music control)	US-PGPUB; USPAT	ADJ	ON	2010/08/23 12:23
L41	1	(11/076470).APP.	US-PGPUB; USPAT	OR	OFF	2010/08/23 12:52
L44	4	(US-20030013483-$ or US-20060247851-$).did. or (US-7123945-$ or US-7222304-$).did.	US-PGPUB; USPAT	ADJ	ON	2010/08/23 13:26
S1	3	((phone OR cellphone OR (mobile (terminal OR computer OR device))) WITH (multitask$3 OR multi-tasking)) AND (pop-up WITH (task OR song OR music))	US-PGPUB; USPAT	ADJ	ON	2010/08/18 14:44
S2	7	("2006/0211454").URPN.	USPAT	ADJ	ON	2010/08/18 14:46

S3	29	((phone OR cellphone OR (mobile (terminal OR computer OR device))) WITH (multitask$3 OR multi-tasking)) AND (window WITH (task OR song OR music))	US-PGPUB; USPAT	ADJ	ON	2010/08/18 14:48
S4	29	S3 NOT S2	~~US-PGPUB;~~ USPAT	~~ADJ~~	ON	2010/08/18 14:49
S5	4	((phone OR cellphone OR (mobile (terminal OR computer OR device))) WITH (multitask$3 OR multi-tasking)) AND (window WITH (action))	US-PGPUB; USPAT	ADJ	ON	2010/08/18 14:54
S6	10	((phone OR cellphone OR (mobile (terminal OR computer OR device))) WITH (multitask$3 OR multi-tasking)) AND ((new OR parallel) task)	US-PGPUB; USPAT	ADJ	ON	2010/08/18 14:55
S7	21	((cellular phone) OR (mobile phone) OR cellphone OR (mobile (terminal OR computer OR device))) AND (pop-up WITH new WITH (task OR process OR action))	US-PGPUB; USPAT	ADJ	ON	2010/08/18 15:05
S8	508	(715/808).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/18 15:08
S9	93	((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device))) AND S8	US-PGPUB; USPAT	ADJ	ON	2010/08/18 15:08
S10	343	((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device))) AND ((multi-tasking OR multitasking) WITH (window OR menu))	US-PGPUB; USPAT	ADJ	ON	2010/08/18 15:36
S11	1	("2007/0039005").URPN.	USPAT	ADJ	ON	2010/08/18 15:40
S12	2	(11/390338).APP.	US-PGPUB; USPAT	OR	OFF	2010/08/18 15:42

S13	6	("20020067308" | "20020077156" | "20050054379" | "20050083642" | "7123945").PN. OR ("7526585").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/18 15:43
S14	5	("20030103518" | "20040204126" | "6243596" | "6335753" | "6377808").PN. OR ("7757260").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/18 16:24
S15	5	("20020067308" | "20020077156" | "20050054379" | "20050083642" | "7123945").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/18 16:28
S16	17	("20010016508" | "20020002060" | "20020077156" | "20030013483" | "20030045315" | "20030232628" | "4651146" | "5482050" | "6298422" | "6304763" | "6549302").PN. OR ("7123945").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/18 16:32
S17	85	((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device))) AND (initiat$3 WITH (parallel OR concurrent OR background) WITH task)	US-PGPUB; USPAT	ADJ	ON	2010/08/19 19:39
S18	58	((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device))) AND (pop-up WITH music)	US-PGPUB; USPAT	ADJ	ON	2010/08/19 19:45
S19	7	("20060121886" | "20060265421" | "20070021145" | "20070038672" | "20070294294" | "20080005688" | "20090070339").PN. OR ("7668829").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/19 19:50

S20	1	(11/495863).APP.	US-PGPUB; USPAT	OR	OFF	2010/08/21 14:03
S21	69	(phone OR cellphone OR (mobile (terminal OR computer OR device))) AND (display WITH icon WITH (music OR audio) WITH (play OR stop OR pause OR volume))	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:14
S22	165	(((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device))) WITH window) AND (window WITH music)	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:30
S23	59	(((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device)))) AND ((submenu OR sub-menu) WITH music)	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:35
S24	877	(((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device))) SAME (pop-up))	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:36
S25	225	S24 AND music	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:40
S26	121	S25 AND (play OR pause OR volume)	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:40
S27	2	(11/205799).APP.	US-PGPUB; USPAT	OR	OFF	2010/08/21 14:44
S28	15	("20020023264" | "20020059596" | "20030220114" | "20040146031" | "20040172561" | "20040198279" | "20040203338" | "20040203729" | "20040248561" | "20050091689" | "20050120305" | "20060009155" | "20060030263" | "20060161662" | "6301484").PN. OR	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/21 14:44

		("7756533").URPN.				
S29	219	(((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device))) WITH (music OR audio)) AND ((control$4) WITH music WITH (internet OR browser))	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:54
S30	66	S29 AND ((track OR song) WITH music)	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:55
S34	6	((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device))) AND (music WITH concurrent$2 WITH (internet OR browser))	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:59

EAST Search History (Interference)

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8/23/2010 1:27:58 PM
C:\Documents and Settings\nkrishnan\My Documents\EAST\Workspaces\11-495863.wsp

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BIB DATA SHEET

CONFIRMATION NO. 3379

SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
11/495,863	07/28/2006	718	2195	25370-11880

APPLICANTS

Seul Ki Choi, Ansan-Si, KOREA, REPUBLIC OF;
Sang Jin Yoon, Anyang-Si, KOREA, REPUBLIC OF;

**** CONTINUING DATA ***************************

**** FOREIGN APPLICATIONS ***************************

REPUBLIC OF KOREA 10-2005-0073877 08/11/2005
REPUBLIC OF KOREA 10-2005-0102198 10/28/2005

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ****

08/16/2006

Foreign Priority claimed	35 USC 119(a-d) conditions met	Verified and Acknowledged	Met after Allowance	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
☑ Yes ☐ No	☑ Yes ☐ No	/NIKHIL R KRISHNAN/ Examiner's Signature	☐ Initials	KOREA, REPUBLIC OF	10	8	2

ADDRESS

FENWICK & WEST LLP
SILICON VALLEY CENTER
801 CALIFORNIA STREET
MOUNTAIN VIEW, CA 94041
UNITED STATES

TITLE

Method for selecting and controlling second work process during first work process in multitasking mobile terminal

FILING FEE RECEIVED	FEES: Authority has been given in Paper	
1000	No._____ to charge/credit DEPOSIT ACCOUNT No._____ for following:	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	Docket No.: P4101US00
Seul Ki Choi, *et al.*	
Serial No.: 11/495,863	Group Art Unit: 2196
Confirmation No.: 3379	
Filed: July 28, 2006	Examiner: KRISHNAN, NIKHIL R.

For: **METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL**

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY UNDER 37 C.F.R. § 1.111

Sir:

In response to the Non-Final Office Action dated August 31, 2010 ("Office Action"), Applicants respectfully request reconsideration of the application in view of the following Amendments and Remarks.

Amendments to the Claims begin on page 2.

Remarks begin on page 5.

A Petition for a one-month extension of time under 37 C.F.R. § 1.136(a) is filed herewith extending the period for response through December 31, 2010. It is believed that no further extensions of time are required other than those in the accompanying Petition. If additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned for under 37 C.F.R. § 1.136(a). Any fees required for further extensions of time and any fees for the net addition of claims are hereby authorized to be charged to our Deposit Account No. 50-3698.

AMENDMENTS TO THE CLAIMS

Please **CANCEL** claim 2 without prejudice or disclaimer.

Please **AMEND** claims 1 and 3 through 7 as shown below.

This claim list replaces all prior claim lists in the application.

1. (Currently Amended) A method for selecting a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process, ~~(a)~~ inputting a first ~~user~~ command to sequentially display icons in turn corresponding to respective work processes of the mobile terminal~~for selecting the second work process~~; and

inputting a second command to select ~~(b) displaying an icon corresponding to the second work process in response to the user command, and selecting~~ one of the sequentially displayed icons corresponding to the second work process ~~based on the displayed icon~~; and

performing, concurrently, the first work process and the second work process in response to the second command.

2. (Canceled)

3. (Currently Amended) The method of ~~claim 2~~claim 1, wherein a screen image of the selected second work process and an icon corresponding to the first work process are displayed together.

4. (Currently Amended) A method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

~~(a)~~ while performing the first work process, inputting a first command to sequentially display icons in turn corresponding to respective work processes of the mobile terminal~~of user for selecting a predetermined function of the second work process; (b) activating~~ ;

inputting a second command to select one of the sequentially displayed icons corresponding to the second work process;

inputting a third command to activate a pop-up menu for controlling [[the]]a predetermined function of the second work process ~~in response to the first command of user~~; and

~~(c) controlling~~inputting a fourth command to control the predetermined function of the second work process through the activated pop-up menu.

5. (Currently Amended) The method of claim 4, wherein the ~~step (c)~~controlling the predetermined function of the second work process comprises:

~~inputting a second command of user for controlling the predetermined function of the second work process;~~

generating a control signal for controlling the predetermined function of the second work process in response to the ~~second~~fourth command ~~of user~~; and

controlling the predetermined function of the second work process in response to the generated control signal.

6. (Currently Amended) The method of claim 4, further comprising:

inputting a ~~third~~fifth command ~~of user for deactivating~~to deactivate the activated pop-up menu; and

deactivating the activated pop-up menu in response to the ~~third~~fifth command ~~of user~~.

7. (Currently Amended) The method of claim 6, wherein the ~~first~~third command ~~of user~~ and the ~~third~~fifth command ~~of user~~ are inputted through an identical key of the mobile terminal.

8. (Original) The method of claim 6, wherein the second work process is an MP3 play process.

REMARKS

Claims 1 and 3 through 7 have been amended, and claim 2 has been canceled without prejudice or disclaimer. Accordingly, claims 1 and 3 through 8, of which claims 1 and 4 are independent, are currently pending in the application.

Applicants respectfully submit that the above amendments do not add new matter to the application and are fully supported by the specification.

In view of the above amendments and the following Remarks, Applicants respectfully request reconsideration and timely withdrawal of the pending rejections for the reasons discussed below.

Rejections Under 35 U.S.C. § 112, second paragraph

Claims 1-3 stand rejected under 35 U.S.C. § 112, second paragraph, as being allegedly indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as the invention. Without conceding the correctness of the Examiner's assertions, claims 1 and 3 have been amended. Claim 2 has been canceled without prejudice or disclaimer.

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. § 112, second paragraph, rejection of claims 1 and 3.

Rejections Under 35 U.S.C. § 102

Claims 1-3 stand rejected under 35 U.S.C. § 102(e) as being allegedly anticipated by U.S. Patent No. 7,123,945 issued to Kokubo ("Kokubo"). Applicants respectfully traverse this rejection for at least the following reasons.

In order for a rejection under 35 U.S.C. § 102(e) to be proper, a single reference must disclose every claimed feature. To be patentable, a claim need only recite a single novel feature that is not disclosed in the cited reference. Thus, the failure of a cited reference to disclose one or more claimed features renders the 35 U.S.C. § 102(e) rejection improper.

The Examiner asserts that Kokubo discloses each of the features as recited in claim 1. Applicants respectfully disagree. Kokubo discloses that icons 10 are displayed on a sub-display unit 142 or a sub-display area (e.g., a display region (A) 122S) of a display unit 122A. See Col. 12, lines 55 and 55, and Col. 14, lines 52-60. In contrast, claim 1 recites "while performing the first work process, inputting a first command to sequentially display icons in turn corresponding to respective work processes of the mobile terminal[.]" Specifically, Kokubo at least fails to disclose that icons are sequentially displayed in turn in response to a first command as recited in claim 1. Because Kokubo fails to disclose each and every feature as recited in claim 1, Kokubo cannot anticipate the invention as recited in claim 1. Therefore, it is respectfully requested that this rejection be withdrawn and that claim 1 be allowed to issue.

Claim 2 has been canceled without prejudice or disclaimer.

As claim 3 depends upon and incorporates the features of claim 1, claim 3 is patentable for at least reasons similar to those discussed above with respect to claim 1. As such, it is respectfully requested that this rejection be withdrawn and that claim 3 be allowed to issue.

Rejections Under 35 U.S.C. § 103

To establish an obviousness rejection under 35 U.S.C. § 103(a), four factual inquiries must be examined. The four factual inquiries include (a) determining the scope and contents of the prior art; (b) ascertaining the differences between the prior art and the claims in issue; (c) resolving the level of ordinary skill in the pertinent art; and (d) evaluating evidence of secondary consideration. *Graham v. John Deere*, 383 U.S. 1, 17-18 (1966).

In view of these four factors, the analysis supporting a rejection under 35 U.S.C. 103(a) should be made explicit, and should "identify a reason that would have prompted a person of ordinary skill in the relevant field to combine the [prior art] elements" in the manner claimed. *KSR Int'l. Co. v. Teleflex, Inc.*, 127 S. Ct. 1727, 82 USPQ2d 1385, 1396 (2007). The Federal Circuit requires that "rejections on obviousness cannot be sustained with mere conclusory statements; instead, there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness." *In re Kahn*, 441 F.3d 977, 988, 78 USPQ2d 1329, 1336 (Fed. Cir. 2006).

Finally, even if the prior art may be combined, there must be a reasonable expectation of success, and the reference or references, when combined, must disclose or suggest every claimed feature. *See in re Vaeck*, 947 F.2d 488, 20 USPQ2d 1438 (Fed. Cir. 1991).

Claims 4-6 and 8 stand rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Kokubo, further in view of U.S. Patent No. 7,222,304 issued to Beaton, *et al.* ("Beaton"). Applicants respectfully traverse this rejection for at least the following reasons.

The Office Action fails to establish a *prima facie* case of obviousness of claim 4 at least because, even if combined, Kokubo and Beaton fail to disclose or suggest every claimed feature.

Claim 4 has been amended to recite "while performing the first work process, inputting a first command to sequentially display icons in turn corresponding to respective work processes of the mobile terminal[,]" which is not disclosed in the cited art. As described above with respect to claim 1, Kokubo fails to disclose at least such features of claim 4. Further, Beaton fails to cure the deficiencies of Kokubo with respect to at least such features. Therefore, claim 4 would not have been obvious to one having skill in the art at the time of invention. Thus, it is respectfully requested that this rejection be withdrawn and that claim 4 be allowed to issue.

Claims 5, 6, and 8 depend upon and incorporate the features of independent claim 4. If an independent claim is nonobvious under 35 U.S.C. §103, then any claim depending therefrom is nonobvious. *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988); and MPEP §2143.03. Therefore, it is respectfully requested that these rejections be withdrawn and that claims 5, 6, and 8 be allowed to issue.

Claim 7 stands rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Kokubo and Beaton, and further in view of U.S. Patent Application Publication No. 2006/0247851 applied for by Morris ("Morris"). Applicants respectfully traverse this rejection for at least the following reasons.

Claim 7 depends upon and incorporates the features of independent claim 4. If an independent claim is nonobvious under 35 U.S.C. §103, then any claim depending therefrom is nonobvious. *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988); and MPEP §2143.03. Further, Morris fails to cure the deficiencies of Kokubo and Beaton with respect to claim 4. Therefore, it is respectfully requested that this rejection be withdrawn and that claim 7 be allowed to issue.

CONCLUSION

A full and complete response has been made to the pending Office Action, and all of the stated objections and grounds for rejection have been overcome or rendered moot. Accordingly, all pending claims are allowable, and the application is in condition for allowance.

The Examiner is invited to contact Applicants' undersigned representative at the number below if it would expedite prosecution. Prompt and favorable consideration of this Reply is respectfully requested.

Respectfully submitted,

/hae-chan park/

Hae-Chan Park
Reg. No. 50,114

Date: December 29, 2010

CUSTOMER NUMBER: 58027
H.C. Park & Associates, PLC
8500 Leesburg Pike
Suite 7500
Vienna, VA 22182
Tel: 703-288-5105
Fax: 703-288-5139
HCP/NHC/kca

PTO/SB/22 (07-09)
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PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a) **FY 2009** (*Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).*)	Docket Number (Optional) P4101US00
Application Number 11/495,863	Filed July 28, 2006
For METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK	
Art Unit 2196	Examiner KRISHNAN, NIKHIL R.

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application.

The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):

		Fee	Small Entity Fee	
☑	One month (37 CFR 1.17(a)(1))	$130	$65	$ 130.00
☐	Two months (37 CFR 1.17(a)(2))	$490	$245	$
☐	Three months (37 CFR 1.17(a)(3))	$1110	$555	$
☐	Four months (37 CFR 1.17(a)(4))	$1730	$865	$
☐	Five months (37 CFR 1.17(a)(5))	$2350	$1175	$

☐ Applicant claims small entity status. See 37 CFR 1.27.

☐ A check in the amount of the fee is enclosed.

☑ Payment by credit card. Form PTO-2038 is attached.

☐ The Director has already been authorized to charge fees in this application to a Deposit Account.

☑ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 503698.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

I am the

☐ applicant/inventor.

☐ assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed (Form PTO/SB/96).

☑ attorney or agent of record. Registration Number 50114

☐ attorney or agent under 37 CFR 1.34.
Registration number if acting under 37 CFR 1.34 _____

/hae-chan park/	December 29, 2010
Signature	Date
Hae-Chan Park	703-288-5105
Typed or printed name	Telephone Number

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.136(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/SB/80 (01-06)
Approved for use through 12/31/2008. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

[X] Practitioners associated with the Customer Number: 58027

OR

[ ] Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

[X] The address associated with Customer Number: 58027

OR

[ ] Firm or Individual Name			
Address			
City		State	Zip
Country			
Telephone		Email	

Assignee Name and Address:
PANTECH CO., LTD.
Pantech R&D Center, I-2, DMC Sangam-dong,
Mapo-gu, Seoul 121-270, Republic of Korea

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record
The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	July 22, 2008
Name	Hwang, Chadhg	Telephone	82-2-2030-0510
Title	IP Team Leader		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/96 (09-04)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Seul Ki CHOI, *et al.*

Application No./Patent No.: 11/495,863 Filed/Issue Date: December 29, 2010

Entitled: METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL

Pantech Co., Ltd. , a Korean Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title, and interest

The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame_____, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Seul Ki CHOI and Sang Jin YOON To: Pantech & Curitel Communications, Inc.
The document was recorded in the United States Patent and Trademark Office at
Reel 018146, Frame 0267, or for which a copy thereof is attached.

2. From: Pantech & Curitel Communications, Inc. and Pantech Co., Ltd into Pantech Co., Ltd.
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From:_____ To:_____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[**NOTE**: A separate copy (i.e., a true copy of the original document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/hae-chan park/	December 29, 2010
Signature	Date
Hae-Chan Park, Reg. 50,114	703-288-5105
Printed or Typed Name	Telephone Number
Attorney	
Title	

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

서울 종로구 수송동 80-6
석탄회관 18층

공증인가 법무법인 케이씨엘

TEL : 725-4774
FAX : 725-4994
[www.kcllaw.com]

위 번역문은 원문과 상위없음을
서약합니다.

2010 . 4 . 1 .

서약인 이 미 숙 (인)

I swear that the attached translation
is true to the original

1st APR 2010.

Signature

등부 2010 년 제 10824 호

Registered No. 2010 - 10824

인 증

NOTARIAL CERTIFICATE

위 **번역자 이 미 숙** ——— 은
본직의 면전에서 위 번역문이
원문과 상위없음을 확인하고 서명
날인하였다.

Lee, Mi Sook
personally appeared before me, confirmed
that the attached translation is true to
the original and subscribed his (her) name.

2010 년 4 월 1 일
이 사무소에서 위 인증한다.

This is hereby attested on this 1st day
of APR. 2010. at this office.

공증인가 법무법인 케이씨엘
서울특별시 종로구 수송동 80-6
(서울중앙지방검찰청소속)

공증담당변호사

KIM, CHOI & LIM
80-6, SuSong-dong, Chong Ro-Gu,
Seoul, Korea

Attorney at Law acting as Notary Public

Choi, Won Hyun

This office has been authorized by the
Minister of Justice, the Republic of Korea
to act as Notary Public since, July 18,
1991 under Law No. 3790.

23230-05711 일
90 . 11. 26 승인

210mm×297mm
특급80g/m²

서울 · 종로구 수송동 80-6
석탄회관 10층

공증인가 법무법인케이씨엘

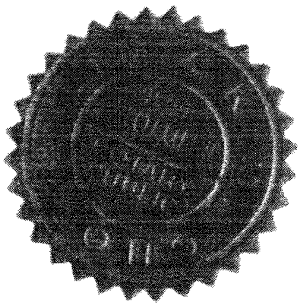
TEL : 725-4774
FAX : 725-4994
[www.kcllaw.com]

Registered No. 2010 - 10824

NOTARIAL CERTIFICATE

KIM, CHOI & LIM

80-6, SUSONG-DONG, CHONGRO-GU,
SEOUL, KOREA



210mm × 297mm
보존용지(1종) 70g/㎡

Registration No.	076601
Corporation Reg. No.	110111-0766018

Company Registration
(Present Particulars) [For submitting]

Trade name: PANTECH CO., LTD.	Changed Registered
Head Office : Pantech Group R&D Center, I-2, DMC, Sangam-dong, Mapo-gu, Seoul, KOREA	~~Changed on Apr. 24, 2007~~ Registered on Apr. 26, 2007

Method of public notice: 1. Public notice shall be given by publishing the notice in Daily Seoul Economic Newspaper, Korean language newspaper published in Seoul. 2. In case there is a reason that we cannot use Seoul Economic Newspaper or in case we have to notify publicly two or more newspapers by law, the public notice shall be given by publishing the notice in Daily Maeil Economic Newspaper, Korean language newspaper published in Seoul.	Changed on Mar. 14, 2003 Registered on Mar. 27, 2003

Par value of each stock: 500won	Changed on Apr. 11, 1998 Registered on Apr. 11, 1998

Total number of stocks authorized to be issued by the company: 2,000,000,000 stocks	Changed on Dec. 30, 2009 Registered on Dec. 30, 2009

Total number, kind and number of stocks issued		Total amount of capital	Date of change Date of ration
Total number of stocks issued	1,646,713,638stocks	823,356,819,000 won	Changed on Dec. 30, 2009
common stock	1,646,713,638stocks		Registered on Dec. 30, 2009

OBJECTIVES :

1. ~~Manufacturing, processing and sales of electronic instrument, machinery and apparatus and the parts thereof;~~	<Amended on Mar. 29, 1994 Registered >
2. Manufacturing, processing and sales of telecommunication equipment and apparatus and the parts thereof;	<Amended on Mar. 29, 1994 Registered >
3. Renting of electronic and electric machinery and apparatus;	<Amended on Mar. 29, 1994 Registered >
4. Import-export trade and offer sheet issuing service;	<Amended on Mar. 29, 1994 Registered >
5. Manufacturing and wholesale and retail sale of computer, its peripheral devices, game machines, and software peripheral devices;	<Amended on Mar. 22, 2002 Registered on Apr. 03, 2002 >
6. Real estate leasing services;	<Amended on Mar. 22, 2002 Registered on Apr. 03, 2002 >
7. Services related to the internet and electronic commercial transaction;	<Amended on Mar. 22, 2002 Registered on Apr. 03, 2002 >
8. Any and all item related to the above and incidental business thereto:;	<Amended on Mar. 22, 2002 Registered on Apr. 03, 2002 >

NAMES AND ADDRESS OF OFFICIALS:

~~Representative Director PARK, BYUNG YEOP~~
~~Rm. 101, Samsung-Hanarum Apt., Yeomchang-dong, Gangseo-gu, Seoul~~
Taken office on Apr. 13, 1994 Registered

~~Representative Director PARK, BYUNG YEOP~~
~~#102-702, Daelim Apt., Deungchon-dong, Gangseo-gu, Seoul~~
Taken office on Apr. 13, 1994 (changed address on Feb. 07, 1996; registered on Apr. 01, 1996)
Reelected on Mar. 29, 1997 Registered on Apr. 07, 1997

** It is possible to verify whether the above is true and correct or not by confirming the bar code in the bottom with scan or inputting the issue conformation number on the issue confirmation menu of the internet registry office (http://www.iros.go.kr). The confirmation through the issue confirmation number is possible for five times within three months.*

Date issued: Apr. 01, 2010 Issue Confirmation Number: 6013-AAKR-PVUA

Registration No.	076601
~~Representative Director PARK, BYUNG YEOP~~	
~~#102-1003, Dongsung Apt., 691-1, Deungchon-dong, Gangseo-gu, Seoul~~	
Reelected on Mar. 29, 1997 (changed address on Jul. 20, 1998; registered on Aug. 26, 1998)	Registered on Apr. 07, 1997
Reelected on Mar. 17, 2000	Registered on Mar. 31, 2000
~~Representative Director PARK, BYUNG YEOP~~	~~621230-1******~~
~~Rm. 202, 94, Cheongdam-dong, Gangnam-gu, Seoul~~	
Changed address on May 22, 2001	Registered on May 31, 2001
Reelected on Mar. 14, 2003	Registered on Mar. 27, 2003
Resigned on Dec. 02, 2005	Registered on Dec. 02, 2005
Taken office on Dec. 02, 2005	Registered on Dec. 02, 2005
Resigned on Dec. 01, 2008	Registered on Dec. 15, 2008
Representative Director PARK, BYUNG YEOP	621230-1******
Rm. 202, 94, Cheongdam-dong, Gangnam-gu, Seoul	
Taken office on Dec. 01, 2008	Registered on Dec. 15, 2008
Director PARK, BYUNG YEOP	621230-1******
Reelected on Mar. 29, 1994	Registered
Reelected on Mar. 29, 1997	Registered on Apr. 07, 1997
Reelected on Mar. 17, 2000	Registered on Mar. 31, 2000
Reelected on Mar. 14, 2003	Registered on Mar. 27, 2003
Resigned on Dec. 02, 2005	Registered on Dec. 02, 2005
Taken office on Dec. 02, 2005	Registered on Dec. 02, 2005
Resigned on Dec. 01, 2008	Registered on Dec. 15, 2008
Taken office on Dec. 01, 2008	Registered on Dec. 15, 2008
Auditor LEE, DONG WOO	510516-1******
Taken office on Mar. 17, 2000	Registered on Mar. 31, 2000
Reelected on Mar. 14, 2003	Registered on Mar. 27, 2003
Resigned on Dec. 02, 2005	Registered on Dec. 02, 2005
Taken office on Dec. 02, 2005	Registered on Dec. 02, 2005
Reelected on Mar. 26, 2008	Registered on Apr. 04, 2008
Director CHO, JOON HO	610225-1******
Taken office on Dec. 01, 2008	Registered on Dec. 15, 2008
Director YOO, GWANG SEOB	550123-1******
Taken office on Dec. 01, 2008	Registered on Dec. 15, 2008
Director KIM, JOO HWAL	580304-1******
Taken office on Dec. 01, 2008	Registered on Dec. 15, 2008
Auditor CHO, RAE HYEONG	531201-1******
Taken office on Dec. 30, 2009	Registered on Dec. 30, 2009
Inside Director YOON, DOO HYEON	570412-1******
Taken office on Mar. 12, 2010	Registered on Mar. 24, 2010
Outside Director PARK, GEUN WOO	421007-1******
Taken office on Mar. 12, 2010	Registered on Mar. 24, 2010

OTHER PARTICULARS:

1. Corrected the total number of stock issued entered by mistake in virtue of this office
Registered on Mar. 06, 1995

1. Name, Address, and Business office of the stock transfer agent:
Kookmin Bank Co., Ltd.
9-1, Namdaemunro 2-ga, Jung-gu, Seoul (Stock Agency Dept.)

Date issued: Apr. 01, 2010 Issue Confirmation Number: 6013-AAKR-PVUA

Registration No.	076601

Established on Jun. 20, 1995 Registered on Jul. 07, 1995

1. Discovered mistake. Correct the date of change of stock split-up
Registered on May 25, 1998

1. Discovered mistake on Mar. 31, 2000. Corrected the space of objectives.
Registered on Apr. 03, 2000

1. Merger
Merged SkyTeletech Co., Ltd. located at 34-12, Yoido-dong, Youngdungpo-gu, Seoul
Registered on Dec. 02, 2005

1. Merger
Merged Pantech & Curitel Co,. Ltd. located at Pantech Group R&D Center, 1-2, DMC, Sangam-dong, Mapo-gu, Seoul
Registered on Dec. 30, 2009

CONVERTIBLE BOND:

The 1st Convertible Bond
<Redeemed in all on Dec. 10, 2004 Registered on Feb. 03, 2005>

BOND WITH WARRANT :

1. Cancelled the 4th non guaranteed oversea bond with warrant on Jan. 31, 2003 in accordance with the redemption in all and the exercise of warrant
< Registered on Feb. 05, 2003>

STOCK OPTION:

1. It means that under certain conditions, the stock option may be granted:
The company may grant the stock option within the range of ten- hundredth (10/100) of the numbers of stocks issued according to the provisions of article 340-2 of Commercial Law under the extraordinary resolution of the general meeting of stockholders. Provided, however, the company may grant the stock option to the executives and/or employees within the range of three- hundredth (3/100) of the numbers of stocks issued till the limits provided by the related laws and regulations under the resolution of directors' meeting. In this case, the stock option granted under the resolution of general meetings of stockholders or directors' meeting may be the merit-based stock option controlled by the goal of business performance or market index.
< Changed on Dec. 30, 2009 Registered on Dec. 30, 2009>

1. Kinds and numbers of stocks to be issued or transferred by the exercise of stock option:
2. The stock to be delivered by exercising of stock option (in case of paying the difference between the exercise price of stock option and the current price in cash or treasury stocks, this means the stock to be standard for computing the difference(shall be the registered common stocks or the registered preferred stocks and the kind of stock shall be determined at the above extraordinary resolution of the general meeting of stockholders or the resolution of directors' meeting.
< Changed on Mar. 29, 2007 Registered on Apr. 12, 2007>

1. Qualifications for granting the stock option for purchase:

Registration No.	076601

3. The executives or employees to be allowed the stock option shall be limited to the person, who had contributed to the establishment, management, technology innovation, etc of company or will contribute and the executives or employees who are belonged to the company or the executives or employees belonging to an interested concern of the company falling under section 1 of article 84:-6 of the Enforcement Ordinance, the Stock Exchange Law. But the person who is falling under any of the following items:

1) The largest stockholder (it means the largest stockholder under article 54:5-4-2 of the Securities Exchange Law. The rest is the same as above) and the special interested person thereof (this means the special interested person under article 10:3-2 of the Enforcement Ordinance of the Securities Exchange Law. The rest is the same as above). Provided that, the person who is under the special interested person as appointed to the executive of the company (including the executive of an interested concern under section 1 of article 84:-6 of the Enforcement Ordinance of the Securities Exchange Law) shall be excluded.
2) Principal stockholder (this means the principal stockholder under article 188 of the Stock Exchange Law. The rest is the same as above) and the special interested person thereof. Provided that, the person who is under the special interested person as appointed to the executive of the company (including the executive of an interested concern under section 1 of article 84:-6 of the Enforcement Ordinance of the Securities Exchange Law) shall be excluded.
3) Person to be a principal stockholder by virtue of exercising of the stock option.

4. The number of executive and employee to be granted the stock option shall not exceed 90/100 of the total number of staff and the stock option to be granted to the executive and employee shall not exceed 10/100 of the total number of stock issued.

< Changed on Mar. 29, 2007 Registered on Apr. 12, 2007>

1. Period of exercising the stock option for purchase

The stock option shall be exercised within seven (7) years from the date passing two (2) years after the date in the general meeting for granting such rights.

<Changed on Dec. 30, 2009 Registered on Dec. 30, 2009>

1. It means that under certain conditions, the stock option may be cancelled under the resolution of directors' meeting:

In case of falling under the following any item, the grant of stock option may be cancelled according to the resolution of directors' meeting:
1) In case that relevant executive or employee retires or resigns voluntarily within 2 years after being granted the stock option;
2) In case that a relevant executive or employee brings about a serious damage to company by accident or intention; or
3) In case that there occurs any reason of cancellation, which is decided in the stock option grant agreement

<Changed on Dec. 30, 2009 Registered on Dec. 30, 2009>

Date of company establishment	Mar. 29, 1991

Causes and date of creation of registry form :

Pursuant to Article 2, Paragraph 1 of Addenda of Rules on Commercial Recording, this registry is transcribed from the old registry form

Registered on Jan. 03, 1995

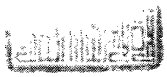
---------- No record hereinafter ----------

Competent Registry Office: Commercial Registry of Seoul Central District Court
Issue Registry office: Registry Information Control Center of Court Administrative Office

Received the fee of KRW800

Date issued: Apr. 01, 2010 Issue Confirmation Number: 6013-AAKR-PVUA

Registration No.	076601



This is a certified copy of the Company registration. (Provided that, in case of no request, it is omitted the registration particulars and the registration particulars related to mangers (agents), and branches invalid.)

Date issued: Apr. 01, 2010

Official in charge of computer operation
Registry Information Control Center
Court Administrative Office
(Official Seal of Court Affixed)

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Date issued: Apr. 01, 2010 Issue Confirmation Number: 6013-AAKR-PVUA

등기사항전부증명서(현재사항) [제출용]

등기번호	076601
등록번호	110111-0766018

	변경 등기
상 호 株式會社 팬택	
본 점 서울특별시 마포구 상암동 디엠씨구역 아이2블럭 팬택계열알앤디센터	2007.04.24 변경 2007.04.26 등기
공고방법 1.서울시내에서 발행하는 일간 서울경제신문에 게재한다. 2. 서울경제신문에 게재할 수 없는 사유가 발생하는 경우 또는 법령에 의해 2 이상의 신문에 공고를 하여야 하는 경우, 서울시내에서 발행되는 매일경제신문에 공고를 게재할 수 있다.	2003.03.14 변경 2003.03.27 등기
1주의 금액 금 500 원	1998.04.11 변경 1998.04.11 등기
발행할 주식의 총수 2,000,000,000 주	2009.12.30 변경 2009.12.30 등기

발행주식의 총수와 그 종류 및 각각의 수		자본의 총액	변경 연월일 등기 연월일
발행주식의 총수	1,646,713,638 주	[illegible]	2009.12.30 변경
보통주식	1,646,713,638 주	금 823,356,819,000 원	2009.12.30 등기

목 적

1. 전자기기 기계기구와 동부속품의 제조 가공 및 판매업 <1994.03.29 변경 . . 등기>
2. 통신기계 기구와 동 부속품의 제조 가공 및 판매업 <1994.03.29 변경 . . 등기>
3. 전자 전기 기계 기구의 임대업 <1994.03.29 변경 . . 등기>
4. 수출입업 및 물품매도 확약서 발행업 <1994.03.29 변경 . . 등기>
5. 컴퓨터 및 주변기기와 게임기 및 소프트웨어 주변기기의 제조 및 도소매업 <2002.03.22 변경 2002.04.03 등기>
6. 부동산 임대업 <2002.03.22 변경 2002.04.03 등기>
7. 인터넷 및 전자상거래 관련 서비스업 <2002.03.22 변경 2002.04.03 등기>
8. 전기 각호에 관련된 부대사업 일체 <2002.03.22 변경 2002.04.03 등기>

임원에 관한 사항

대표이사 박병엽 서울 강서 염창 삼성한아름(아) 401호
1994 년 04 월 13 일 취임 년 월 일 등기

대표이사 박병엽 서울 강서구 등촌동 대림(아) 102-702
1994 년 04 월 13 일 취임(1996.2.7.주소변경,1996.4.1.등기) 년 월 일 등기
1997 년 03 월 29 일 중임 1997 년 04 월 07 일 등기

대표이사 박병엽 서울 강서구 등촌동 691-1 동성(아) 102-1003
1997 년 03 월 29 일 중임(1998.7.20.주소변경 1998.8.26.등기) 1997 년 04 월 07 일 등기
2000 년 03 월 17 일 중임 2000 년 03 월 31 일 등기

[인터넷 발급] 문서 하단의 바코드를 스캐너로 확인하거나, 인터넷등기소(http://www.iros.go.kr)의 발급확인 메뉴에서 발급확인번호를 입력하여 위·변조 여부를 확인할 수 있습니다.
발급확인번호를 통한 확인은 발행일부터 3개월까지 5회에 한하여 가능합니다.

0000811001101606470001110120510189DABFEBC1F8196709]7 1 발행일:2010/04/01

발급확인번호 6013-AAKR-PVLA

IPR2023-01268 Page 124

등기번호	076601

대표이사 박병엽 621230-1****** 서울 강남구 청담동 94 202호

2001 년 05 월 22 일	주소변경	2001 년 05 월 31 일 등기
2003 년 03 월 14 일	중임	2003 년 03 월 27 일 등기
2005 년 12 월 02 일	사임	2005 년 12 월 02 일 등기
2005 년 12 월 02 일	취임	2005 년 12 월 02 일 등기
2008 년 12 월 01 일	사임	2008 년 12 월 15 일 등기

대표이사 박병엽 621230-1****** 서울특별시 강남구 청담동 94 202호

2008 년 12 월 01 일	취임	2008 년 12 월 15 일 등기

이사 박병엽 621230-1******

1994 년 03 월 29 일	중임	년 월 일 등기
1997 년 03 월 29 일	중임	1997 년 04 월 07 일 등기
2000 년 03 월 17 일	중임	2000 년 03 월 31 일 등기
2003 년 03 월 14 일	중임	2003 년 03 월 27 일 등기
2005 년 12 월 02 일	사임	2005 년 12 월 02 일 등기
2005 년 12 월 02 일	취임	2005 년 12 월 02 일 등기
2008 년 12 월 01 일	사임	2008 년 12 월 15 일 등기
2008 년 12 월 01 일	취임	2008 년 12 월 15 일 등기

감사 이몽우 510516-1******

2000 년 03 월 17 일	취임	2000 년 03 월 31 일 등기
2003 년 03 월 14 일	중임	2003 년 03 월 27 일 등기
2005 년 12 월 02 일	사임	2005 년 12 월 02 일 등기
2005 년 12 월 02 일	취임	2005 년 12 월 02 일 등기
2008 년 03 월 26 일	중임	2008 년 04 월 04 일 등기

이사 조준호 610225-1******

2008 년 12 월 01 일	취임	2008 년 12 월 15 일 등기

이사 유광섭 550123-1******

2008 년 12 월 01 일	취임	2008 년 12 월 15 일 등기

이사 김주활 580304-1******

2008 년 12 월 01 일	취임	2008 년 12 월 15 일 등기

감사 조래형 531201-1******

2009 년 12 월 30 일	취임	2009 년 12 월 30 일 등기

사내이사 윤두현 570412-1******

2010 년 03 월 12 일	취임	2010 년 03 월 24 일 등기

사외이사 박근우 421007-1******

2010 년 03 월 12 일	취임	2010 년 03 월 24 일 등기

기 타 사 항

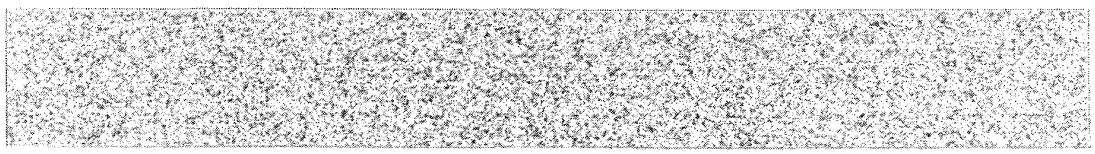
1. 착오이기된 발행주식의 총수 직권경정

1995 년 03 월 06 일 등기

1. 명의개서 대리인의 성명,주소 및 영업소

주식회사 국민은행

서울 중구 남대문로2가 9-1(증권대행부)



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등기번호	076601

1995 년 06 월 20 일 설치 1995 년 07 월 07 일 등기

1. 착오발견 주식분할변경일자 경정

1998 년 05 월 25 일 등기

1. 2000년 3월 31일 착오발견 목적란 경정

2000 년 04 월 03 일 등기

1. 흡수합병

서울 영등포구 여의도동 34-12 주식회사 스카이텔레택을 합병

2005 년 12 월 02 일 등기

1. 흡수합병

서울특별시 마포구 상암동 디엠씨구역 아이2블럭 퀀텀계열알앤디센터 주식회사 퀀텀엔큐리텍을 합병

2009 년 12 월 30 일 등기

전 환 사 채

제1회 전환사채

< 2004 년 12 월 10 일 전부상환 2005 년 02 월 03 일 등기 >

신 주 인 수 권 부 사 채

1. 2003년 1월 31일 제4회 무보증 해외신주인수권부사채 전부상환 및 신주인수권행사로 인하여 말소

< 2003 년 02 월 05 일 등기 >

주 식 매 수 선 택 권

1. 일정한 경우 주식매수선택권을 부여할 수 있다는 뜻

당 회사는 발행주식총수의 100분의 10의 범위내에서 상법 제340조의 2의규정에 의한 주식매수선택권을 주주총회의 특별결의에 의하여 부여할 수 있다. 단, 발행주식총수의 100분의 3의 범위 내에서관계법령이 정하는 한도까지 임직원에게 이사회결의로 주식매수선택권을 부여할 수 있다.이 경우 주주총회 또는 이사회 결의에 의해 부여하는 주식매수선택권은 경영성과목표 또는 시장지수등에 연동하는 성과연동형으로 할 수 있다.

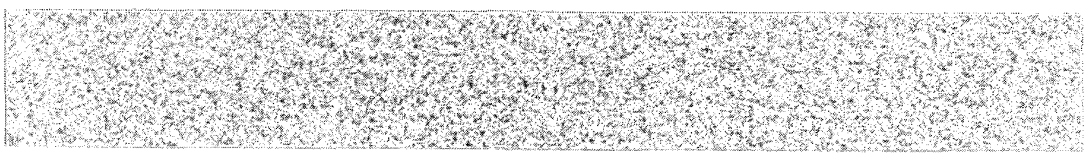
< 2009 년 12 월 30 일 변경 2009 년 12 월 30 일 등기 >

1. 주식매수선택권의 행사로 발행하거나 양도할 주식의 종류와 수

2. 주식매수선택권의 행사로 교부할 주식(주식매수선택권의 행사가격과 시가와의 차액을 현금 또는 자기주식으로 교부하는 경우에는 그 차액의 산정기준이 되는 주식을 말한다)은 기명식 보통주식 또는 기명식 우선주식으로 하며, 제1항 소정의 주주총회 특별결의 또는 이사회 결의시 그 종류를 정한다.

< 2007 년 03 월 29 일 변경 2007 년 04 월 12 일 등기 >

1. 주식매수선택권을 부여받을 자의 자격요건



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3. 주식매수선택권을 부여받을 임.직원은 회사의 설립과 경영.해외영업 또는 기술혁신 등에 기여하거나 기여할 수 있는 당해 법인 또는 증권거래법 시행령 제84조의 6 제1항에서 정하는 당해 법인의 관계회사의 임직원으로 하되 다음 각호의 1에 해당하는 자는 제외한다.
1)최대주주(증권거래법 제54조의 5 제4항 제2호의 최대주주를 말한다. 이하같다.)및 그 특수관계인(증권거래법 시행령 제10조의3 제2항의 규정에 의한 특수관계인을 말한다. 이하같다.) 다만, 당해 법인의 임원(증권거래법 시행령 제84조의 6 제1항에서 정하는 관계회사의 임원을 포함)이 됨으로써 특수관계인에 해당하게 된 자(그 임원이 계열회사의 비상근 임원인 자를 포함한다.)는 제외한다.
2)주요주주(증권거래법 제188조의 규정에 의한 주요주주를 말한다. 이하 같다) 및 특수관계인. 다만, 당해 법인의 임원(증권거래법 시행령 제84조의 6 제1항에서 정하는 관계회사의 임원을 포함)이 됨으로써 특수관계인에 해당하게 된 자(그 임원이 계열회사의 비상근 임원인 자를 포함한다.)는 제외한다
3)주식매수선택권의 행사로 주요주주가 되는 자
4. 주식매수선택권을 부여하는 임.직원의 수는 재직하는 임.직원의 100분의 90을 초과할 수 없고, 임원 또는 직원등1인에 대하여 부여하는 주식매수선택권은 발행주식총수의 100분의 10을 초과할 수 없다.
< 2007 년 03 월 29 일 변경 2007 년 04 월 12 일 등기 >

1. 주식매수선택권의 행사기간
주식매수선택권은 이를 부여하는 주주총회 결의일로부터 2년이 경과한 날로부터 7년이내의 범위내에서 행사할 수 있다.
< 2009 년 12 월 30 일 변경 2009 년 12 월 30 일 등기 >

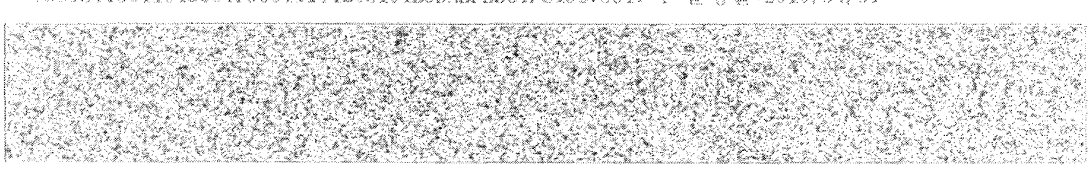
1. 임정한 경우 이사회결의로 주식매수선택권의 부여를 취소할 수 있다는 뜻
다음 각호의 1에 해당하는 경우에는 이사회의 결의로 주식매수선택권의 부여를 취소할 수 있다.
1)당해 임.직원이 주식매수선택권을 부여받은 날로부터 2년이내에 임의로 퇴임하거나 퇴직한 경우
2)당해 임.직원이 고의 또는 과실로 회사에 중대한 손해를 초래하게 한 경우
3)기타 주식매수선택권 부여계약에서 정한 취소사유가 발생한 경우
< 2009 년 12 월 30 일 변경 2009 년 12 월 30 일 등기 >

회사성립연월일 1991 년 03 월 29 일

등기기록의 개설 사유 및 연월일
상업등기처리규칙 부칙 제2조 제1항의 규정에 의하여 구등기용지로 부터이기
1995 년 01 월 03 일 등기

수수료 800원 영수함 -- 이 하 여 백 --

관할등기소 : 서울중앙지방법원 상업등기소 / 발행등기소 : 법원행정처 등기정보중앙관리소



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등기번호	076601

이 증명서는 등기기록의 내용과 틀림없음을 증명합니다. [다만, 신청이 없는 지점 · 지배인에 관한 사항과 현재 효력이 없는 등기사항의 기재를 생략하였습니다]

서기 2010년 04월 01일

법원행정처 등기정보중앙관리소 전산운영책임관

* 실선으로 그어진 부분은 말소(변경,경정)된 등기사항입니다. * 등기사항증명서는 컬러로 출력 가능함.

[인터넷 발급] 문서 하단의 바코드를 스캐너로 확인하거나, 인터넷등기소(http://www.iros.go.kr)의 발급확인 메뉴에서 발급확인번호를 입력하여 위·변조 여부를 확인할 수 있습니다.

발급확인번호를 통한 확인은 발행일부터 3개월까지 5회에 한하여 가능합니다.

발급확인번호 6013-AAKR-PVLA

0808110011016066470001110120510189DABFEB3C1F819670917 1 발행일:2010/04/01

Electronic Patent Application Fee Transmittal

Application Number:	11495863
Filing Date:	28-Jul-2006
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Filer:	Hae-Chan Park/Sharon Price
Attorney Docket Number:	25370-11880

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 1 month with $0 paid	1251	1	130	130

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
			Total in USD ($)	**130**

Electronic Acknowledgement Receipt

EFS ID:	9130801
Application Number:	11495863
International Application Number:	
Confirmation Number:	3379
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Customer Number:	00758
Filer:	Hae-Chan Park/Nathan Cristler
Filer Authorized By:	Hae-Chan Park
Attorney Docket Number:	25370-11880
Receipt Date:	29-DEC-2010
Filing Date:	28-JUL-2006
Time Stamp:	13:58:55
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$130
RAM confirmation Number	219
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1		P4101US00_Reply.pdf	51504 a0e1442627bcc9131ec701043fa■a1266■a0a735	yes	9
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Amendment/Req. Reconsideration-After Non-Final Reject		1	1	
	Claims		2	4	
	Applicant Arguments/Remarks Made in an Amendment		5	9	
Warnings:					
Information:					
2	Extension of Time	P4104US00_Petition_for_EOT.pdf	322308 1a9f755565 3ae5a5eb53f24a305cfcf98be8€c46	no	2
Warnings:					
Information:					
3	Power of Attorney	P4104US00_POA-373-Merger_Doc.pdf	2112786 945efe0571779be28ae867a7181e5■f5e67 7e2e1	no	14
Warnings:					
Information:					
4	Fee Worksheet (PTO-875)	fee-info.pdf	30079 cc6b830926f2469250efc998f5e35■25a070721■	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	2516677		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/06 (07-06)
Approved for use through 1/31/2007. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 11/495,863	Filing Date 07/28/2006	☒ To be Mailed

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)	SMALL ENTITY ☐		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =		OR	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =			X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

		(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT	**12/29/2010**	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 7	Minus	** 20	= 0	X $ =		OR	X $52=	0
	Independent (37 CFR 1.16(h))	* 2	Minus	***3	= 0	X $ =		OR	X $220=	0
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	**0**

		(Column 1)		(Column 2)	(Column 3)					
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =		OR	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =		OR	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
/NICHELE PETERSON/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/495,863	07/28/2006	Seul Ki Choi	25370-11880

CONFIRMATION NO. 3379

58027
H.C. PARK & ASSOCIATES, PLC
8500 LEESBURG PIKE
SUITE 7500
VIENNA, VA 22182

POA ACCEPTANCE LETTER

OC000000045271314

Date Mailed: 01/06/2011

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 12/29/2010.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

/hgray/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/495,863	07/28/2006	Seul Ki Choi	25370-11880

CONFIRMATION NO. 3379

POWER OF ATTORNEY NOTICE

758
FENWICK & WEST LLP
SILICON VALLEY CENTER
801 CALIFORNIA STREET
MOUNTAIN VIEW, CA 94041

OC000000045271268

Date Mailed: 01/06/2011

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 12/29/2010.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

/hgray/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/495,863	07/28/2006	Seul Ki Choi	P4101US00	3379

58027 7590 03/16/2011

H.C. PARK & ASSOCIATES, PLC
8500 LEESBURG PIKE
SUITE 7500
VIENNA, VA 22182

EXAMINER	
KRISHNAN, NIKHIL	

ART UNIT	PAPER NUMBER
2196	

NOTIFICATION DATE	DELIVERY MODE
03/16/2011	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATENT@PARK-LAW.COM

Office Action Summary	Application No.	Applicant(s)	
	11/495,863	CHOI ET AL.	
	Examiner	Art Unit	
	NIKHIL KRISHNAN	2196	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *29 December 2010.*

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1 and 3-8* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1, 3-8* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1 and 3-8 are pending.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. Claim 1 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 7,123,945 B2 to Kokubo (hereafter Kokubo), in view of the “User's Guide for Nokia 5110” (published 2004) (hereafter Nokia).

4. Kokubo was cited on the previous Office action.

5. As per claim 1, Kokubo teaches a method for selecting a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process (Abstract, lines 1-5, col 2, lines 6-12), the method comprising:

while performing the first work process, inputting a first command to sequentially highlight icons in turn corresponding to respective work processes of the mobile terminal (col 10, lines 24-35 & Fig. 8B-8C: scrolls to desired icon (A) while B is being performed; see also Fig. 13: icon A can be any of those in display 142);

and inputting a second command to select one of the sequentially highlighted icons corresponding to the second work process (col 10, lines 24-35 & Fig. 8B-8C: scrolls to desired icon (A) and selects it; col 13, lines 33-39 & Fig. 12: for example selects the “i” icon); and

performing, concurrently, the first work process and the second work process in response to the second command (col 13, lines 33-39: internet process and phone call concurrent; or col 14, 17-22: music reproduction is also ongoing).

6. Kokubo does not teach wherein inputting a first command to sequentially highlight icons in turn is implemented as sequentially displaying icons in turn. Instead, Kokubo simultaneously displays icons (Fig. 13, display 142).

7. Nokia teaches inputting a first command to sequentially display icons in turn (p. 19, left column, list item number 2: down arrow command sequentially displays menu icons – settings, phone book, messages, call register, etc.; p. 21-24 lists menu items).

8. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Kokubo such that sequentially highlighting icons in turn is implemented by sequentially displaying icons in turn, wherein only a single icon need be displayed at a time, as taught by Nokia as this would have allowed implementation of the sub-display using a smaller, cheaper display.

9. As per claim 3, Kokubo teaches wherein a screen image of the selected second work process and an icon corresponding to the first work process are displayed together (Fig. 12: sub-display 142 with busy icon - representing phone call process - while internet process is on main screen 122; col 13, lines 19-23).

10. Claims 4-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kokubo, in view of Nokia, and in further view of U.S. Pre-Grant Publication 2002/0080186 A1 to Frederiksen (hereafter Frederiksen).

11. As per claim 4, Kokubo teaches a method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process (Abstract, lines 1-5, col 2, lines 6-12), the method comprising:

while performing the first work process, inputting a first command to sequentially highlight icons in turn corresponding to respective work processes of the mobile terminal (col 10, lines 24-35 & Fig. 8B-8C: scrolls to desired icon (A) while B is being performed; see also Fig. 13: icon A can be any of those in display 142);

inputting a second command to select one of the sequentially highlighted icons corresponding to the second work process (col 10, lines 24-35 & Fig. 8B-8C: scrolls to desired icon (A) and selects it; col 13, lines 33-39 & Fig. 12: for example selects the “i” icon; Fig. 8B-8C: selecting icon (A) in Fig. 8B causes (A) to be displayed on main

screen 122 in Fig. 8C);

12. Kokubo does not explicitly teach wherein inputting a first command to sequentially highlight icons in turn is implemented as sequentially displaying icons in turn.

inputting a third command to activate a pop-up menu for controlling a predetermined function of the second work process; and

inputting a fourth command to control the predetermined function of the second work process through the activated pop-up menu.

13. Nokia teaches inputting a first command to sequentially display icons in turn (p. 19, left column, list item number 2: down arrow command sequentially displays menu icons – settings, phone book, messages, call register, etc.; p. 21-24 lists menu items).

14. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Kokubo such that sequentially highlighting icons in turn is implemented by sequentially displaying icons in turn, wherein only a single icon need be displayed at a time, as taught by Nokia as this would have allowed implementation of the sub-display using a smaller, cheaper display.

15. Kokubo and Nokia do not explicitly teach inputting a third command to activate a pop-up menu for controlling a predetermined function of the second work process; and

inputting a fourth command to control the predetermined function of the second work process through the activated pop-up menu.

16. Frederiksen teaches inputting a third command to activate a pop-up menu for controlling a predetermined function of the second work process (Fig. 4, screens 43 & 46: pop-up activated for controlling text insertion, copy & paste, etc. in the text message process; [0070]: pop-up activated by pressing navigation & selection key 10; see also Fig. 1); and

inputting a fourth command to control the predetermined function of the second work process through the activated pop-up menu ([0070]: user selects one of the pop-up menu items).

17. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Kokubo and Nokia such that, after the second process has been restored to the main screen, a context-sensitive pop-up menu may be activated to control particular functions of the second process as taught by Frederiksen as this would have improved screen space efficiency by reducing the need for constant on-screen soft keys (Frederiksen, [0007]).

18. As per claim 5, Frederiksen teaches wherein the controlling the predetermined function of the second work process comprises:

generating a control signal for controlling the predetermined function of the second work process in response to the fourth command ([0029]: depressing the navigation and selection key 10 generates a “selection signal for the processor"); and

controlling the predetermined function of the second work process in response to the generated control signal ([0070]: understood that selecting from the pop-up list is performed by depressing the navigation and selection key 10).

19. As per claim 6, Frederiksen teaches further comprising: inputting a fifth command of user for deactivating to deactivate the activated pop-up menu ([0076]); and

deactivating the activated pop-up menu in response to the fifth command ([0076]).

20. As per claim 7, Frederiksen teaches wherein the third command and the fifth command are inputted through an identical key of the mobile terminal ([0070]: activation by navigation and selection key 10; [0076]: deactivation by moving cursor beyond the pop-up borders; [0029]: navigation and selection key 10, which includes roller body 20, used to control the cursor; see also Fig. 1).

21. As per claim 8, Kokubo teaches wherein the second work process is a music play process (Fig. 10; col 14, lines 17-30).

22. Kokubo does not explicitly teach that the music play process is an MP3 play process. Nonetheless, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide support for mp3 playback in the music play process because this would have ensured the music playback functionality was compatible with a popular file type.

Response to Arguments

23. Applicant's arguments with respect to claims 1 and 3-8 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

24. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

25. A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

26. Any inquiry concerning this communication or earlier communications from the examiner should be directed to NIKHIL KRISHNAN whose telephone number is (571) 270-5590. The examiner can normally be reached on M-Th, 8:30 am -7 pm.

27. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emerson Puente can be reached on (571) 272-3652. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

28. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/DIEM K CAO/

Primary Examiner, Art Unit 2196

NIKHIL KRISHNAN
Examiner
Art Unit 2196

Notice of References Cited	Application/Control No. 11/495,863	Applicant(s)/Patent Under Reexamination CHOI ET AL.	
	Examiner NIKHIL KRISHNAN	Art Unit 2196	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2002/0080186 A1	06-2002	FREDERIKSEN, STEEN LILLETHORUP	345/808
*	B	US-2003/0011638 A1	01-2003	Chung, Sun-Woo	345/808
*	C	US-6,546,263 B1	04-2003	Petty et al.	455/566
*	D	US-2005/0086611 A1	04-2005	Takabe et al.	715/823
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	"User's Guide for Nokia 5110"; Issue 8; Nokia Corporation, Finland. Copyright 2004, Nokia Mobile Phones. <http://nds2.nokia.com/files/support/apac/phones/guides/Nokia_5110_APAC_UG__EN.pdf>
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
11495863	11495863	CHOI ET AL.
	Examiner	**Art Unit**
	NIKHIL KRISHNAN	2196

SEARCHED			
Class	**Subclass**	**Date**	**Examiner**

SEARCH NOTES		
Search Notes	**Date**	**Examiner**
Inventor search in PALM	8/23/10	NK
Keyword search in EAST, see attached	8/23/10	NK
Subclasses 715/808 & 810 limited by keyword in EAST, see attached	3/10/11	NK
Keyword search in EAST, see attached	3/10/11	NK
NPL search in Google, see attached results	3/10/11	NK

INTERFERENCE SEARCH			
Class	**Subclass**	**Date**	**Examiner**

/N. K./ Examiner.Art Unit 2196	

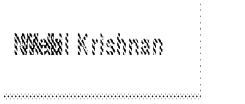
Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
11495863	11495863	CHOI ET AL.
	Examiner	Art Unit
	NIKHIL KRISHNAN	2196

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	08/23/2010	03/10/2011							
	1	✓	✓							
	2	✓	-							
	3	✓	✓							
	4	✓	✓							
	5	✓	✓							
	6	✓	✓							
	7	✓	✓							
	8	✓	✓							









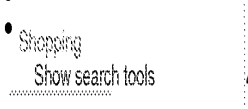




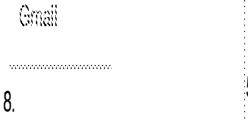




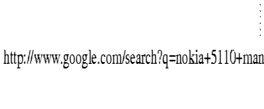






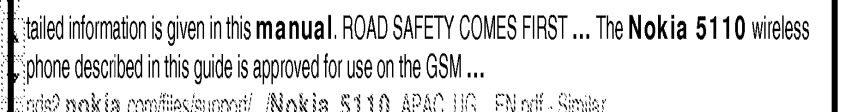


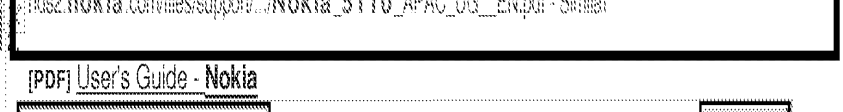


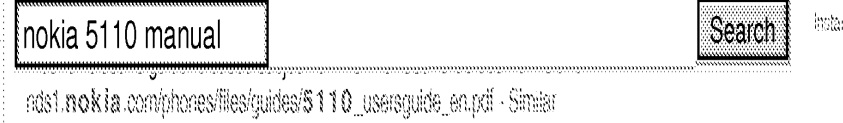


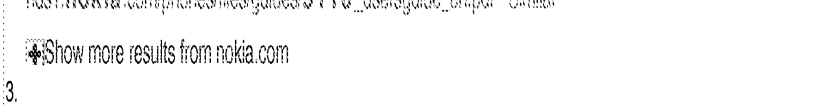




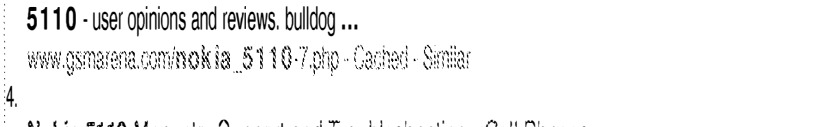


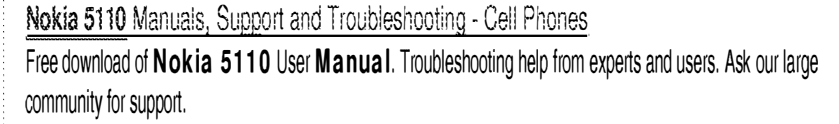


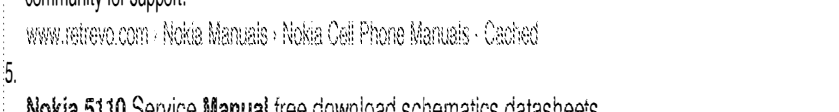


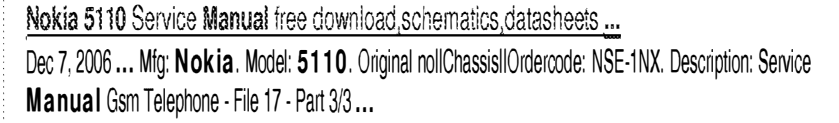


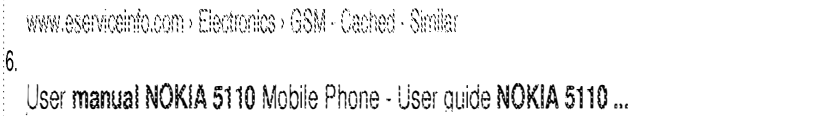


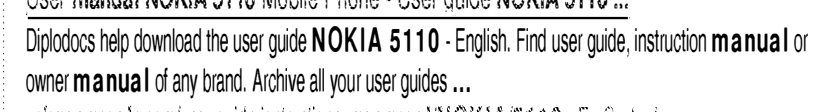


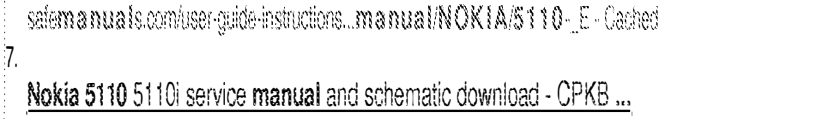


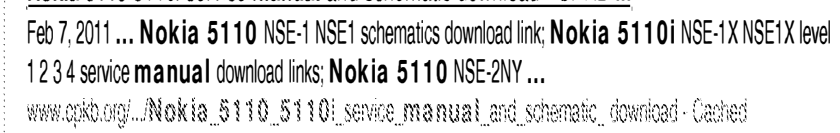


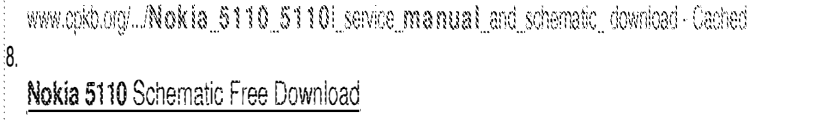


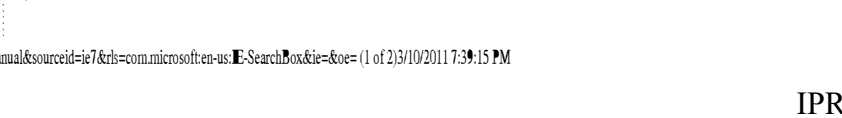














Vikki Krishnan

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EAST Search History

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	18	("20010016508" | "20020002060" | "20020077156" | "20030013483" | "20030045315" | "20030232628" | "4651146" | "5482050" | "6298422" | "6304763" | "6549302").PN. OR ("7123945").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/10 16:12
L13	16	petty.in. AND ericsson	US-PGPUB; USPAT	ADJ	ON	2011/03/10 16:33
L14	20	("6211858" | "6415164" | "6418329").PN. OR ("6546263").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/10 16:35
L15	0	(09/903135).APP.	USPAT; USOCR	ADJ	ON	2011/03/10 17:14
L16	15	("2003/0011638").URPN.	USPAT	ADJ	ON	2011/03/10 17:14
L18	4	("5805167" | "6208342" | "6414700" | "6618063").PN.	US-PGPUB; USPAT	ADJ	ON	2011/03/10 18:17
L21	558	(715/808).CCLS.	US-PGPUB; USPAT	OR	OFF	2011/03/10 18:24
L22	30	L21 AND (mobile OR portable OR cellphone OR cellular OR phone).ab.	US-PGPUB; USPAT	ADJ	ON	2011/03/10 18:25
L23	22	("6570596").URPN.	USPAT	ADJ	ON	2011/03/10 18:47
L27	4	(US-20050086611-$ or US-20030011638-$ or US-20020080186-$).did. or (US-6546263-$).did.	US-PGPUB; USPAT	ADJ	ON	2011/03/10 19:35
S1	3	((phone OR cellphone OR (mobile (terminal OR computer OR device))) WITH (multitask$3 OR multi-tasking)) AND (pop-up WITH (task OR song OR music))	US-PGPUB; USPAT	ADJ	ON	2010/08/18 14:44
S2	7	("2006/0211454").URPN.	USPAT	ADJ	ON	2010/08/18 14:46

S3	29	((phone OR cellphone OR (mobile (terminal OR computer OR device))) WITH (multitask$3 OR multi-tasking)) AND (window WITH (task OR song OR music))	US-PGPUB; USPAT	ADJ	ON	2010/08/18 14:48
S4	29	S3 NOT S2	US-PGPUB; USPAT	ADJ	ON	2010/08/18 14:49
S5	4	((phone OR cellphone OR (mobile (terminal OR computer OR device))) WITH (multitask$3 OR multi-tasking)) AND (window WITH (action))	US-PGPUB; USPAT	ADJ	ON	2010/08/18 14:54
S6	10	((phone OR cellphone OR (mobile (terminal OR computer OR device))) WITH (multitask$3 OR multi-tasking)) AND ((new OR parallel) task)	US-PGPUB; USPAT	ADJ	ON	2010/08/18 14:55
S7	21	((cellular phone) OR (mobile phone) OR cellphone OR (mobile (terminal OR computer OR device))) AND (pop-up WITH new WITH (task OR process OR action))	US-PGPUB; USPAT	ADJ	ON	2010/08/18 15:05
S8	508	(715/808).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/08/18 15:08
S9	93	((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device))) AND S8	US-PGPUB; USPAT	ADJ	ON	2010/08/18 15:08
S10	343	((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device))) AND ((multi-tasking OR multitasking) WITH (window OR menu))	US-PGPUB; USPAT	ADJ	ON	2010/08/18 15:36
S11	1	("2007/0039005").URPN.	USPAT	ADJ	ON	2010/08/18 15:40
S12	2	(11/390338).APP.	US-PGPUB; USPAT	OR	OFF	2010/08/18 15:42

S13	6	("20020067308" | "20020077156" | "20050054379" | "20050083642" | "7123945").PN. OR ("7526585").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/18 15:43
S14	5	("20030103518" | "20040204126" | "6243596" | "6335753" | "6377808").PN. OR ("7757260").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/18 16:24
S15	5	("20020067308" | "20020077156" | "20050054379" | "20050083642" | "7123945").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/18 16:28
S16	17	("20010016508" | "20020002060" | "20020077156" | "20030013483" | "20030045315" | "20030232628" | "4651146" | "5482050" | "6298422" | "6304763" | "6549302").PN. OR ("7123945").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/18 16:32
S17	85	((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device))) AND (initiat$3 WITH (parallel OR concurrent OR background) WITH task)	US-PGPUB; USPAT	ADJ	ON	2010/08/19 19:39
S18	58	((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device))) AND (pop-up WITH music)	US-PGPUB; USPAT	ADJ	ON	2010/08/19 19:45
S19	7	("20060121886" | "20060265421" | "20070021145" | "20070038672" | "20070294294" | "20080005688" | "20090070339").PN. OR ("7668829").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/19 19:50
S20	1	(11/495863).APP.	US-PGPUB; USPAT	OR	OFF	2010/08/21 14:03

S21	69	(phone OR cellphone OR (mobile (terminal OR computer OR device))) AND (display WITH icon WITH (music OR audio) WITH (play OR stop OR pause OR volume))	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:14
S22	165	(((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device))) WITH window) AND (window WITH music)	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:30
S23	59	(((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device)))) AND ((submenu OR sub-menu) WITH music)	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:35
S24	877	(((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device))) SAME (pop-up))	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:36
S25	225	S24 AND music	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:40
S26	121	S25 AND (play OR pause OR volume)	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:40
S27	2	(11/205799).APP.	US-PGPUB; USPAT	OR	OFF	2010/08/21 14:44
S28	15	("20020023264" | "20020059596" | "20030220114" | "20040146031" | "20040172561" | "20040198279" | "20040203338" | "20040203729" | "20040248561" | "20050091689" | "20050120305" | "20060009155" | "20060030263" | "20060161662" | "6301484").PN. OR ("7756533").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/21 14:44

S29	219	(((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device))) WITH (music OR audio)) AND ((control$4) WITH music WITH (internet OR browser))	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:54
S30	66	S29 AND ((track OR song) WITH music)	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:55
S34	6	((cellular phone) OR (mobile phone) OR cellphone OR (cell phone) OR (mobile (terminal OR computer OR device))) AND (music WITH concurrent$2 WITH (internet OR browser))	US-PGPUB; USPAT	ADJ	ON	2010/08/21 14:59
S35	1	(11/495863).APP.	US-PGPUB; USPAT	OR	OFF	2010/08/23 09:24
S36	1	(10/870480).APP.	US-PGPUB; USPAT	OR	OFF	2010/08/23 09:44
S37	11	("2005/0064911").URPN.	USPAT	ADJ	ON	2010/08/23 09:44
S38	4	(overlay WITH task WITH menu)	US-PGPUB; USPAT	ADJ	ON	2010/08/23 09:47
S39	43	(pop-up WITH menu WITH (music OR mp3))	US-PGPUB; USPAT	ADJ	ON	2010/08/23 09:50
S40	19	(overlay WITH music WITH menu)	US-PGPUB; USPAT	ADJ	ON	2010/08/23 09:50
S41	1	S40 AND ((mobile OR cellular) (phone OR terminal OR device))	US-PGPUB; USPAT	ADJ	ON	2010/08/23 09:52
S42	18	S39 AND ((mobile OR cellular) (phone OR terminal OR device))	US-PGPUB; USPAT	ADJ	ON	2010/08/23 09:52
S43	207	interface WITH (multi-tasking OR multitasking OR parallel OR concurrent OR concurrently) WITH ((mobile OR cellular) (phone OR device OR terminal))	US-PGPUB; USPAT	ADJ	ON	2010/08/23 09:58
S44	141	interface WITH (multi-tasking OR multitasking OR parallel) WITH ((mobile OR cellular) (phone OR device OR terminal))	US-PGPUB; USPAT	ADJ	ON	2010/08/23 09:58

S45	9	interface WITH (multi-tasking OR multitasking) WITH ((mobile OR cellular) (phone OR device OR terminal))	US-PGPUB; USPAT	ADJ	ON	2010/08/23 09:58
S46	29	("6018711").URPN.	USPAT	ADJ	ON	2010/08/23 10:00
S47	47	("5632002").PN. OR ("6012030").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/23 10:00
S48	133	interface WITH (parallel) WITH ((mobile OR cellular) (phone OR device OR terminal))	US-PGPUB; USPAT	ADJ	ON	2010/08/23 10:01
S49	19	("20010049603" | "20040103034" | "5734910" | "5945989" | "5999908" | "6012030" | "6119147" | "6129276" | "6173266" | "6330539" | "6338053" | "6363393" | "6377913" | "6473739" | "6501832" | "6513063" | "6523061" | "7062454" | "7174308").PN. OR ("7603291").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/23 10:06
S50	1	("7222304").PN.	US-PGPUB; USPAT	OR	OFF	2010/08/23 10:14
S51	16	("5465401" | "5715524" | "5719936" | "5754636" | "5838775" | "5900875" | "6009469" | "6177950" | "6321158").PN. OR ("7222304").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/08/23 10:15
S52	0	(mobile phone) WITH (music button)	US-PGPUB; USPAT	ADJ	ON	2010/08/23 12:15
S53	9	(mobile phone) WITH (volume button)	US-PGPUB; USPAT	ADJ	ON	2010/08/23 12:16
S54	6	(mobile phone) WITH (music control)	US-PGPUB; USPAT	ADJ	ON	2010/08/23 12:23
S55	1	(11/076470).APP.	US-PGPUB; USPAT	OR	OFF	2010/08/23 12:52
S56	4	(US-20030013483-$ or US-20060247851-$).did. or (US-7123945-$ or US-7222304-$).did.	US-PGPUB; USPAT	ADJ	ON	2010/08/23 13:26
S57	0	2005KR-0102198.ap,prai.	DERWENT	ADJ	ON	2010/08/23 13:31

S58	14	(US-20060211454-$ or US-20070061806-$ or US-20070025311-$ or US-20030013483-$ or US-20070042710-$ or US-20070039005-$ or US-20060247851-$).did. or (US-7464333-$ or US-7757260-$ or US-7123945-$ or US-7668829-$ or US-5926524-$ or US-6909879-$ or US-7222304-$).did.	US-PGPUB; USPAT	ADJ	ON	2011/02/11 16:03
S59	4	S58 AND (policy OR rule OR preference)	US-PGPUB; USPAT	ADJ	ON	2011/02/11 16:04
S60	18	("20010016508" | "20020002060" | "20020077156" | "20030013483" | "20030045315" | "20030232628" | "4651146" | "5482050" | "6298422" | "6304763" | "6549302").PN. OR ("7123945").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/09 18:47
S61	2857	(715/810).CCLS.	US-PGPUB; USPAT	OR	OFF	2011/03/09 18:59
S62	279	S61 AND (cell OR mobile OR portable OR cellular OR phone).ab.	US-PGPUB; USPAT	ADJ	ON	2011/03/09 19:00
S63	558	(715/808).CCLS.	US-PGPUB; USPAT	OR	OFF	2011/03/09 19:00
S64	33	S63 AND (cell OR mobile OR portable OR cellular OR phone).ab.	US-PGPUB; USPAT	ADJ	ON	2011/03/09 19:00
S65	7	S62 AND (multitasking OR multi-tasking OR simultaneous$2 OR parallel OR concurrent$2).ab.	US-PGPUB; USPAT	ADJ	ON	2011/03/09 19:08
S66	103	S61 AND (multitasking OR multi-tasking OR simultaneous$2 OR parallel OR concurrent$2).ab.	US-PGPUB; USPAT	ADJ	ON	2011/03/09 19:10
S67	3	S63 AND (sequential$2 WITH icon)	US-PGPUB; USPAT	ADJ	ON	2011/03/09 19:11
S68	54	S61 AND (sequential$2 WITH icon)	US-PGPUB; USPAT	ADJ	ON	2011/03/09 19:11
S69	8	S63 AND (sequenc$3 WITH icon)	US-PGPUB; USPAT	ADJ	ON	2011/03/09 19:12

S70	0	(10/827399).APP.	USPAT; USOCR	ADJ	ON	2011/03/09 19:20
S71	21	("20010042057" | "20030018665" | "20040250217" | "20050034081" | "20050044509" | "5721853" | "5745109" | "6046671" | "6211858" | "6236398" | "6448987" | "6493008" | "6618063" | "6816079" | "7020544").PN. OR ("7096431").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/09 19:28
S72	14	("20030112279" | "20030197740" | "20040100479" | "20040221243" | "6236398" | "6252596" | "6448987" | "7036091" | "7091998" | "7093201").PN. OR ("7418671").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/09 19:28
S73	1	("6546263").PN.	US-PGPUB; USPAT	OR	OFF	2011/03/09 19:50
S74	1	(S63 OR S61) AND (icon cycle)	US-PGPUB; USPAT	ADJ	ON	2011/03/09 19:54
S75	20	("6211858" | "6415164" | "6418329").PN. OR ("6546263").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/09 19:54
S76	2864	(715/810).CCLS.	US-PGPUB; USPAT	OR	OFF	2011/03/10 11:35
S77	558	(715/808).CCLS.	US-PGPUB; USPAT	OR	OFF	2011/03/10 11:35
S78	10	(S77 OR S76) AND (icon NEAR3 cycl$3)	US-PGPUB; USPAT	ADJ	ON	2011/03/10 11:35
S79	106	(S77 OR S76) AND (icon NEAR3 scroll$3)	US-PGPUB; USPAT	ADJ	ON	2011/03/10 12:28
S80	30	S79 AND (multi-task$3 OR multitask$3 OR multiprocess$3 OR multi-process$3 OR parallel)	US-PGPUB; USPAT	ADJ	ON	2011/03/10 12:28
S81	17	S79 AND (portable OR cellphone OR cell OR cellular OR mobile).ab.	US-PGPUB; USPAT	ADJ	ON	2011/03/10 12:33

S82	12	("20020035613" | "20040142720" | "20060161865" | "5657049" | "5896133" | "6133898" | "6668177" | "6990534").PN. OR ("7493573").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/10 12:44
S83	20	("6211858" | "6415164" | "6418329").PN. OR ("6546263").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/10 13:24
S84	98	icon WITH "in turn"	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/10 13:27
S85	2864	(715/810).CCLS.	US-PGPUB; USPAT	OR	OFF	2011/03/10 13:34
S86	558	(715/808).CCLS.	US-PGPUB; USPAT	OR	OFF	2011/03/10 13:34
S87	94	(S86 OR S85) AND (switch $3).ab.	US-PGPUB; USPAT	ADJ	ON	2011/03/10 13:34
S88	46	(S86 OR S85) AND ((multi-task$3 OR multitask$3 OR parallel OR concurrent$2 OR multiprocess$3 OR multi-process$3) WITH icon)	US-PGPUB; USPAT	ADJ	ON	2011/03/10 14:03
S89	10	(S86 OR S85) AND ((multi-task$ 3OR multitask$3 OR parall el OR concurrent$2 OR multiprocess$3 OR multi-process$3) WITH overlay)	US-PGPUB; USPAT	ADJ	ON	2011/03/10 14:10
S90	67	(S86 OR S85) AND ((multi-task$3 OR multitask$3 OR parallel OR concurrent$2 OR multiprocess$3 OR multi-process$3) WITH menu)	US-PGPUB; USPAT	ADJ	ON	2011/03/10 14:12
S91	1	(11/285492).APP.	USPAT; USOCR	ADJ	ON	2011/03/10 14:18
S92	22	("20020085042" | "20040075693" | "20040217990" | "20050010594" | "20050024322" | "4667293" | "5363481" | "5574798" | "5642430" | "5892511" | "6047317" | "6222541" | "6246406" | "6388686" | "6600936" | "6618063" | "6643651" | "6683627" | "6877007" | "6904450" | "7218312" |	US-PGPUB; USPAT; USOCR	ADJ	ON	2011/03/10 14:19

		"7224409").PN. OR ("7600195").URPN.				
S93	28	("5826051").URPN.	USPAT	ADJ	ON	2011/03/10 14:22
S94	118	(S86 OR S85) AND (icon NEAR4 (overlay OR pop-up OR popup))	US-PGPUB; USPAT	ADJ	ON	2011/03/10 14:26
S95	0	(09/903135).APP.	USPAT; USOCR	ADJ	ON	2011/03/10 14:35
S96	15	("2003/0011638").URPN.	USPAT	ADJ	ON	2011/03/10 14:35
S97	8	(alt WITH tab) SAME (mobile OR cellphone OR cellular OR phone OR portable)	USPAT	ADJ	ON	2011/03/10 14:37
S98	17	icon WITH (sequence OR sequential OR cycl$3) WITH (pop-up OR popup OR overlay)	USPAT	ADJ	ON	2011/03/10 14:44

EAST Search History (Interference)

< This search history is empty>

3/10/2011 7:36:35 PM
C:\Documents and Settings\nkrishnan\My Documents\EAST\Workspaces\11-495863.wsp

RESPONSE UNDER 37 CFR 1.116
EXPEDITED PROCEDURE
GROUP ART UNIT 2196

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	Docket No.: P4101US00
Seul Ki CHOI, *et al.*	
Serial No.: 11/495,863	Group Art Unit: 2196
Confirmation No.: 3379	
Filed: July 28, 2006	Examiner: KRISHNAN, Nikhil R.

For: **METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL**

Mail Stop: AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY UNDER 37 C.F.R. § 1.116

Sir:

In response to the Final Office Action dated March 16, 2011 ("Office Action"), Applicants respectfully request reconsideration of the application in view of the following Remarks.

Claims begin on page 2.

Remarks begin on page 4.

This Reply is being filed within two months of the Final Office Action.

No extensions of time are required at this time. If extensions of time are necessary to prevent abandonment of this application, then they are petitioned for under 37 C.F.R. § 1.136(a). No fees for net addition of claims are required at this time. Any fees required for extensions of time or for the net addition of claims may be charged to our Deposit Account No. 50-3698.

CLAIMS

This claim list replaces all prior claims in the application.

1. (Previously Presented) A method for selecting a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process, inputting a first command to sequentially display icons in turn corresponding to respective work processes of the mobile terminal; and

inputting a second command to select one of the sequentially displayed icons corresponding to the second work process; and

performing, concurrently, the first work process and the second work process in response to the second command.

2. (Canceled)

3. (Previously Presented) The method of claim 1, wherein a screen image of the selected second work process and an icon corresponding to the first work process are displayed together.

4. (Previously Presented) A method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process, inputting a first command to sequentially display icons in turn corresponding to respective work processes of the mobile terminal;

inputting a second command to select one of the sequentially displayed icons corresponding to the second work process;

inputting a third command to activate a pop-up menu for controlling a predetermined function of the second work process; and

inputting a fourth command to control the predetermined function of the second work process through the activated pop-up menu.

5. (Previously Presented) The method of claim 4, wherein the controlling the predetermined function of the second work process comprises:

generating a control signal for controlling the predetermined function of the second work process in response to the fourth command; and

controlling the predetermined function of the second work process in response to the generated control signal.

6. (Previously Presented) The method of claim 4, further comprising:

inputting a fifth command to deactivate the activated pop-up menu; and

deactivating the activated pop-up menu in response to the fifth command.

7. (Previously Presented) The method of claim 6, wherein the third command and the fifth command are inputted through an identical key of the mobile terminal.

8. (Original) The method of claim 6, wherein the second work process is an MP3 play process.

REMARKS

The claims have not been amended. Accordingly, claims 1 and 3-8 are currently pending in the application, of which claims 1 and 4 are independent. In view of the following remarks, Applicants request that the pending rejections be withdrawn.

Rejections Under 35 U.S.C. § 103

To establish an obviousness rejection under 35 U.S.C. § 103(a), four factual inquiries must be examined. The four factual inquiries include (a) determining the scope and contents of the prior art; (b) ascertaining the differences between the prior art and the claims in issue; (c) resolving the level of ordinary skill in the pertinent art; and (d) evaluating evidence of secondary consideration. *Graham v. John Deere*, 383 U.S. 1, 17-18 (1966).

In view of these four factors, the analysis supporting a rejection under 35 U.S.C. 103(a) should be made explicit, and should "identify a reason that would have prompted a person of ordinary skill in the relevant field to combine the [prior art] elements" in the manner claimed. *KSR Int'l. Co. v. Teleflex, Inc.*, 127 S. Ct. 1727, 82 USPQ2d 1385, 1396 (2007). The Federal Circuit requires that "rejections on obviousness cannot be sustained with mere conclusory statements; instead, there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness." *In re Kahn*, 441 F.3d 977, 988, 78 USPQ2d 1329, 1336 (Fed. Cir. 2006).

Finally, even if the prior art may be combined, there must be a reasonable expectation of success, and the reference or references, when combined, must disclose or suggest every claimed feature. *See in re Vaeck*, 947 F.2d 488, 20 USPQ2d 1438 (Fed. Cir. 1991).

Claims 1 and 3 stand rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over U.S. Patent No. 7,123,945 issued to Kokubo ("Kokubo") in view of "User's Guide for Nokia

5110," published 2004, ("Nokia"). Applicants respectfully traverse this rejection at least because even if combined, the cited references fail to disclose every feature of claim 1.

Claim 1 recites, in relevant part:

> while performing the first work process, inputting a first command to sequentially display icons in turn corresponding to respective work processes of the mobile terminal,
> inputting a second command to select one of the sequentially displayed icons corresponding to the second work process; and
> performing, concurrently, the first work process and the second work process in response to the second command.

In the Office Action, the Examiner concedes that Kokubo does not teach at least "while performing the first work process, inputting a first command to sequentially display icons in turn corresponding to respective work process of the mobile terminal[,]" but argues that Nokia discloses "sequentially display icons" aspect of the recited claim element. Office Action, page 2. The Applicants disagree and note that the Examiner modified the language of the recited claim element to fit the prior art. The Applicants further note that the Examiner dissected a feature of the claim element to be evaluated by a different prior art, even though MPEP § 2106 proscribes against such analysis. More specifically, MPEP § 2106 proscribes against "dissect[ing] a claimed invention into discrete elements and evaluat[ing] the elements in insolation[,]" and directs the claims to be "viewed as a whole." Here, the Examiner replaces the language of "display icons" with the language of "highlight icons" with respect to the Kokubo analysis and argues that since Nokia discloses "sequentially displaying icons," Kokubo in view of Nokia necessarily teaches this aspect of the claim. However, since MPEP § 2106 prohibits dissection of claim language into discrete elements, the Examiner may not dissect the language of "displaying icons" from the rest of the claim language to be analyze in isolation, but instead, the claim must be "viewed as a whole."

Nokia does not disclose a "multitasking mobile terminal that concurrently performs the first work process and the second work process," or discuss "sequentially displaying icons"

while performing the first work process as recited by claim 1. Rather, Nokia reference merely discloses "pressing [down arrow key] and [up arrow key] to reach the desired main menu" after the selecting of the menu button. Nokia, page 19. Since Nokia does not pertain to "a multitasking mobile terminal that concurrently performs the first work process and the second work process[,]" the "displaying of icons" on a menu selection screen as disclosed by Nokia is not the same in scope as the "displaying of icons" on the "multitasking mobile terminal" that is concurrently performing multiple work processes. Further, the Examiner misconstrues the meaning of the "displaying of icons" language by ignoring the other aspects of the claim language. More specifically, the recited claim language discloses "sequentially displaying icons" "while performing the first work process[,]" as opposed to merely displaying icons on a menu screen to select a function. (emphasis added). In addition, even assuming the Examiner is correct in Nokia teaching "sequentially displaying icons" with respect to the first work process, which Applicants do not concede, Nokia still fails to disclose at least "sequentially displaying icons in turn" with respect to the "inputting a second command to select one of the sequentially displayed icons corresponding to the second work process."

To overcome this gap in the analysis, the Examiner argues that it would have been obvious to combine Kokubo and Nokia to teach "sequentially displaying icons in turn" with respect to "inputting a second command to select of the sequentially displayed icons corresponding the second work process." Applicants, however, note that the Examiner's conclusion lacks any citation to evidence or support, and also fails to satisfy the requirements of taking Official Notice (which Applicants would traverse if such Office Notice had been taken). This conclusion cannot be maintained in absence of any such support, as required by *In re Kahn*. More specifically, the Federal Circuit requires that "rejections on obviousness cannot be sustained with mere conclusory statements; instead, there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness." *In re Kahn*,

441 F.3d 977, 988, 78 USPQ2d 1329, 1336 (Fed. Cir. 2006). In addition, Applicants also note that Kokubo was filed on Nov. 22, 2002 and published on June 26, 2003, whereas Nokia was published in 2004. However, despite the Nokia's later published date, it does not suggest any of the teachings in Kokubo or suggest such a combination is obvious. Kokubo, page 1; Nokia, page 2. For at least these reasons, the conclusory assertion of obviousness made by the Examiner is improper.

Thus, for at least these reasons, Kokubo in view of Nokia fails to disclose at least the features of claim 1.

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. § 103(a) rejection of claim 1. Claim 3 depends from claim 1 and is allowable at least for this reason. Since none of the other prior art of record, whether taken alone or in any combination, discloses or suggests all the features of the claimed invention, Applicants respectfully submit that independent claim 1, and all the claims that depend therefrom, are allowable.

Claims 4-8 stand rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Kokubo, in view of Nokia, and in further view of U.S. Patent Application Publication No. 2002/0080186 applied for by Frederiksen ("Frederiksen"). Applicants respectfully traverse this rejection at least because even if combined, the cited references fail to disclose every feature of claim 4.

Claim 4 recites, in relevant part:

> while performing the first work process, inputting a first command to sequentially display icons in turn corresponding to respective work processes of the mobile terminal;
> inputting a second command to select one of the sequentially displayed icons corresponding to the second work process;
> inputting a third command to activate a pop-up menu for controlling a predetermined function of the second work process; and

inputting a fourth command to control the predetermined function of the second work process through the activated pop-up menu.

Claim 4 includes features similar to those discussed above with respect to claim 1, and therefore, is patentable for at least similar reasons as those discussed above with respect to claim 1. Specifically, claim 4 recites "while performing the first work process, inputting a first command to sequentially display icons in turn corresponding to respective work processes of the mobile terminal" and "inputting a second command to select one of the sequentially displayed icons corresponding to the second work process" which are not disclosed or suggested in either Kokubo, Nokia, or Frederiksen. Thus, because Kokubo in view of Nokia and Frederiksen fails to disclose or suggest each element of claim 4, the 35 U.S.C. § 103(a) rejection of claim 4 must be withdrawn.

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. § 103(a) rejection of claim 4. Claims 5 - 8 depend from claim 4 and are allowable at least for this reason. Since none of the other prior art of record, whether taken alone or in any combination, discloses or suggests all the features of the claimed invention, Applicants respectfully submit that independent claim 4, and all the claims that depend therefrom, are allowable.

CONCLUSION

A full and complete response has been made to the pending Office Action, and all of the stated grounds for rejection have been overcome or rendered moot. Accordingly, all pending claims are allowable, and the application is in condition for allowance.

The Examiner is invited to contact Applicants' undersigned representative at the number below if it would expedite prosecution. Prompt and favorable consideration of this Reply is respectfully requested.

Respectfully submitted,

/hae-chan park/

Hae-Chan Park
Reg. No. 50,114

Date: May 12, 2011

CUSTOMER NUMBER: 58027
H.C. Park & Associates, PLC
8500 Leesburg Pike
Suite 7500
Vienna, VA 22182
Tel: 703-288-5105
Fax: 703-288-5139
HCP/SKH/kca

Electronic Acknowledgement Receipt

EFS ID:	10074237
Application Number:	11495863
International Application Number:	
Confirmation Number:	3379
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Customer Number:	58027
Filer:	Hae-Chan Park/Wayne Helge
Filer Authorized By:	Hae-Chan Park
Attorney Docket Number:	P4101US00
Receipt Date:	12-MAY-2011
Filing Date:	28-JUL-2006
Time Stamp:	12:03:15
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		P4101US00_Reply.pdf	52183 9e21d8450efe4173b435e90f8358bda350d 5657	yes	9

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment After Final	1	1
	Claims	2	3
	Applicant Arguments/Remarks Made in an Amendment	4	9
Warnings:			
Information:			
	Total Files Size (in bytes):	52183	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/06 (07-06)
Approved for use through 1/31/2007. OMB 0651-0032
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 11/495,863	Filing Date 07/28/2006	☐ To be Mailed

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)	SMALL ENTITY ☐		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)		RATE ($)	FEE ($)
☒ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	**300**
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	x $ =		OR	x $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	x $ =			x $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	**300**

APPLICATION AS AMENDED – PART II

AMENDMENT		(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
	05/12/2011	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 7	Minus	** 20	= 0	x $ =		OR	x $52=	0
	Independent (37 CFR 1.16(h))	* 2	Minus	***3	= 0	x $ =		OR	x $220=	0
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	**0**

AMENDMENT		(Column 1)		(Column 2)	(Column 3)					
		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x $ =		OR	x $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x $ =		OR	x $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
/TAMMY MCBETH BROWN/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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OK TO ENTER /N.K./
05/19/2011

OK TO ENTER: /V.N./

RESPONSE UNDER 37 CFR 1.116
EXPEDITED PROCEDURE
GROUP ART UNIT 2196

TER: /V.N./

IN THE UNITED ST ND TRADEMARK OFFICE

In re Patent Application of: ocket No.: P4101US00

Seul Ki CHOI, *et al.*

OK TO ENTER: /V.N./

Serial No.: 11/495,863 | Group Art Unit: 2196

Confirmation No.: 3379

Filed: July 28, 2006 | Examiner: KRISHNAN, Nikhil R.

For: **METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL**

Mail Stop: AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY UNDER 37 C.F.R. § 1.116

Sir:

In response to the Final Office Action dated March 16, 2011 ("Office Action"), Applicants respectfully request reconsideration of the application in view of the following Remarks.

Claims begin on page 2.

Remarks begin on page 4.

This Reply is being filed within two months of the Final Office Action.

No extensions of time are required at this time. If extensions of time are necessary to prevent abandonment of this application, then they are petitioned for under 37 C.F.R. § 1.136(a). No fees for net addition of claims are required at this time. Any fees required for extensions of time or for the net addition of claims may be charged to our Deposit Account No. 50-3698.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /V.N./

UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/495,863	07/28/2006	Seul Ki Choi	P4101US00	3379

58027 7590 05/25/2011
H.C. PARK & ASSOCIATES, PLC
8500 LEESBURG PIKE
SUITE 7500
VIENNA, VA 22182

EXAMINER	
KRISHNAN, NIKHIL R	
ART UNIT	PAPER NUMBER
2196	

NOTIFICATION DATE	DELIVERY MODE
05/25/2011	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATENT@PARK-LAW.COM

Advisory Action Before the Filing of an Appeal Brief	**Application No.** 11/495,863	**Applicant(s)** CHOI ET AL.	
	Examiner NIKHIL KRISHNAN	**Art Unit** 2196	

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 12 May 2011 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:
   a) ☐ The period for reply expires _____months from the mailing date of the final rejection.
   b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

   Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. ☐ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because
   (a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);
   (b) ☐ They raise the issue of new matter (see NOTE below);
   (c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
   (d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

   NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).
4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
5. ☐ Applicant's reply has overcome the following rejection(s): _____.
6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☐ For purposes of appeal, the proposed amendment(s): a) ☐ will not be entered, or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.
   The status of the claim(s) is (or will be) as follows:
   Claim(s) allowed: _____.
   Claim(s) objected to: _____.
   Claim(s) rejected: _____.
   Claim(s) withdrawn from consideration: _____.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.
12. ☐ Note the attached Information *Disclosure Statement*(s). (PTO/SB/08) Paper No(s). _____
13. ☐ Other: _____.

/VAN H NGUYEN/
Primary Examiner, Art Unit 2196

Continuation of 11. does NOT place the application in condition for allowance because: The applicant argues (i) that the combination of Kokubo and Nokia fails to consider the claim as a whole (Remarks, p. 5); (ii) Nokia does not teach concurrency (Remarks, p. 6); (iii) it would not have been obvious to combine Kokubo and Nokia (Remarks, p. 7). The examiner respectfully disagrees. As per (i), the replacement of "sequentially displaying icons" with "sequentially highlighting icons" in the mapping of Kokubo was not meant to present the limitations as isolated from each other, but was rather a means for indicating that while Kokubo does not explicitly teach "sequentially displaying icons," it does teach an alternative implementation with similar functionality. That is, both implementations of sequentially highlighting icons and sequentially displaying icons serve to convey to a user the currently selectable icon/task. As per (ii), the limitation of sequentially displaying icons is related to the graphical user interface and does not depend necessarily on the underlying capabilities of hardware to implement concurrency. The modification by Nokia is that of modifying the user interface to sequentially display icons instead of sequentially highlighting icons. Furthermore, the mechanism of changing a display to sequentially display icons is the same as changing a display to sequentially highlight an icon. As such, the Kokubo reference already teaches the concept of sequentially changing a display while concurrently performing a first task, and Nokia's teaching of concurrency becomes moot. The examiner also notes that Nokia does teach inputting a second command to select the sequentially displayed icon (p. 19, step 3: pressing the select button). As per (iii), the motivation of utilizing a user interface that can take advantage of a smaller display is not merely conclusory in that it follows a reasoning based on what was well known in the art at the time the invention was made - that smaller displays are cheaper, and that utilizing a design with a smaller display or lower resolution would provide the advantage of reducing production costs (see for example US Patent 6,384,827 B1 to Dawkins, col 7, lines 19-21). The applicant's arguments with regards to Frederiksen are moot in view of the above. For these reasons, the applicant's arguments are found to be unpersuasive.

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	11/495,863	Filing Date	2006-07-28	Docket Number (if applicable)	P4101US00	Art Unit	2196
First Named Inventor	Seul Ki CHOI, et al.			Examiner Name	Nikhil R. KRISHNAN		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

- ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- ☐ Other _____

☒ Enclosed

- ☒ Amendment/Reply
- ☐ Information Disclosure Statement (IDS)
- ☐ Affidavit(s)/ Declaration(s)
- ☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____ (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

☒ The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 503698

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/hae-chan park/	Date (YYYY-MM-DD)	2011-06-13
Name	Hae-Chan Park	Registration Number	50114

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	Docket No.: P4101US00
Seul Ki CHOI, *et al.*	
Serial No.: 11/495,863	Group Art Unit: 2196
Confirmation No.: 3379	
Filed: July 28, 2006	Examiner: KRISHNAN, Nikhil R.

For: **METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL**

Mail Stop: AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY FILED WITH REQUEST FOR CONTINUED EXAMINATION UNDER 37 C.F.R. § 1.114

Sir:

In response to the Final Office Action dated March 16, 2011 ("Office Action") and the Advisory Action dated May 25, 2011 ("Advisory Action"), Applicants submit this Reply with a Request for Continued Examination under 37 C.F.R. §1.114.

Amendments to the Claims begin on page 2.

Remarks begin on page 5.

No extensions of time are required at this time. If extensions of time are necessary to prevent abandonment of this application, then they are petitioned for under 37 C.F.R. § 1.136(a). No fees for net addition of claims are required at this time. Any fees required for extensions of time or for the net addition of claims may be charged to our Deposit Account No. 50-3698.

AMENDMENTS TO THE CLAIMS

Please **AMEND** claims 1, 4, and 6 as shown below.

This claim list replaces all prior claims in the application.

1. (Currently Amended) A method for selecting a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process, inputting a first command for~~to~~ sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal, wherein sequentially displaying icons comprises displaying the icons in order of the work process performed; ~~and~~

inputting a second command for~~to~~ selecting one of the sequentially displayed icons corresponding to the second work process; and

performing, concurrently, the first work process and the second work process in response to the second command.

2. (Canceled)

3. (Previously Presented) The method of claim 1, wherein a screen image of the selected second work process and an icon corresponding to the first work process are displayed together.

4. (Currently Amended) A method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that

concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process, inputting a first command for~~to~~ sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal, wherein sequentially displaying icons comprises displaying the icons in order of the work process performed;

inputting a second command for~~to~~ selecting one of the sequentially displayed icons corresponding to the second work process;

inputting a third command for~~to~~ activate~~e~~ing a pop-up menu for controlling a predetermined function of the second work process; and

inputting a fourth command for~~to~~ controlling the predetermined function of the second work process through the activated pop-up menu.

5. (Previously Presented) The method of claim 4, wherein the controlling the predetermined function of the second work process comprises:

generating a control signal for controlling the predetermined function of the second work process in response to the fourth command; and

controlling the predetermined function of the second work process in response to the generated control signal.

6. (Currently Amended) The method of claim 4, further comprising:

inputting a fifth command for~~to~~ deactivate~~e~~ing the activated pop-up menu; and

deactivating the activated pop-up menu in response to the fifth command.

7. (Previously Presented) The method of claim 6, wherein the third command and the fifth command are inputted through an identical key of the mobile terminal.

8. (Original) The method of claim 6, wherein the second work process is an MP3 play process.

REMARKS

By this Reply, claims 1, 4, and 6 have been amended. Accordingly, claims 1 and 3-8 are currently pending in the application, of which claims 1 and 4 are independent.

Applicants respectfully submit that the above amendments do not add new matter to the application and are fully supported by the specification.

In view of the following remarks, Applicants request that the pending rejections be withdrawn.

Rejections Under 35 U.S.C. § 103

To establish an obviousness rejection under 35 U.S.C. § 103(a), four factual inquiries must be examined. The four factual inquiries include (a) determining the scope and contents of the prior art; (b) ascertaining the differences between the prior art and the claims in issue; (c) resolving the level of ordinary skill in the pertinent art; and (d) evaluating evidence of secondary consideration. *Graham v. John Deere*, 383 U.S. 1, 17-18 (1966).

In view of these four factors, the analysis supporting a rejection under 35 U.S.C. 103(a) should be made explicit, and should "identify a reason that would have prompted a person of ordinary skill in the relevant field to combine the [prior art] elements" in the manner claimed. *KSR Int'l. Co. v. Teleflex, Inc.*, 127 S. Ct. 1727, 82 USPQ2d 1385, 1396 (2007). The Federal Circuit requires that "rejections on obviousness cannot be sustained with mere conclusory statements; instead, there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness." *In re Kahn*, 441 F.3d 977, 988, 78 USPQ2d 1329, 1336 (Fed. Cir. 2006).

Finally, even if the prior art may be combined, there must be a reasonable expectation of success, and the reference or references, when combined, must disclose or suggest every claimed feature. *See in re Vaeck*, 947 F.2d 488, 20 USPQ2d 1438 (Fed. Cir. 1991).

Claims 1 and 3 stand rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over U.S. Patent No. 7,123,945 issued to Kokubo ("Kokubo") in view of "User's Guide for Nokia 5110," published 2004, ("Nokia"). Even if combined, the cited references fail to disclose every feature of the claims as amended.

Claim 1 as amended recites, in relevant part:

> while performing the first work process, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal, wherein sequentially displaying icons comprises displaying the icons in order of the work process performed;
> inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process; and
> performing, concurrently, the first work process and the second work process in response to the second command. (emphasis added)

On page 3 of the Office Action, the Examiner concedes that Kokubo does not teach at least "while performing the first work process, inputting a first command to sequentially display icons in turn corresponding to respective work process of the mobile terminal[,]" but maintains that Kokubo in view of Nokia discloses these elements of claim 1. But even if the Examiner is correct, which Applicants deny, Nokia fails to teach "while performing the first work process, inputting a first command for sequentially displaying icons in turn corresponding to respective work process of the mobile terminal, wherein sequentially displaying icons comprises displaying the icons in the order of the work process performed". More specifically, Nokia discloses a method of navigating between menu items, which are always present in the same order regardless of whether a specific work process is performed. Nokia, page 19 ("press [down arrow] or [up arrow] to reach the desired menu", "you can return to the pervious menu level by pressing [button 'c'] quickly"). Accordingly, since "displaying the icons in the order of the work process performed" is not the same as displaying of menu items that are always present in the

same preset order as taught by Nokia, Kokubo in view of Nokia fails to disclose each and every element of amended claim 1.

Further, Nokia discloses navigation of menu items for selection, prior to execution of an application or process corresponding to the respective menu item. Nokia, page 19. However, once a menu item is selected for execution, Nokia does not have any further involvement in the actual display of "icons" corresponding to the "work process performed". Accordingly, the display of mere menu items for selection does not equate to the "sequentially displaying of icons in turn corresponding to respective work process of the mobile terminal, wherein sequentially displaying icons comprises displaying the icons in the order of the work process performed".

Lastly, the Examiner argues that it would have been obvious to combine Kokubo and Nokia to teach "sequentially displaying icons in turn" with respect to "inputting a second command to select one of the sequentially displayed icons corresponding the second work process." Office Action, page 3. Applicants, however, note that the Examiner's conclusion lacks any citation to evidence or support, and also fails to satisfy the requirements of taking Official Notice (which Applicants would traverse if such Office Notice had been taken). This conclusion cannot be maintained in absence of any such support, as required by *In re Kahn*. More specifically, the Federal Circuit requires that "rejections on obviousness cannot be sustained with mere conclusory statements; instead, there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness." *In re Kahn*, 441 F.3d 977, 988, 78 USPQ2d 1329, 1336 (Fed. Cir. 2006). While the Examiner argues in response that the motivation of utilizing a user interface is based on the notion that "smaller displays are cheaper, and that utilizing a design with a smaller display or lower resolution would provide the advantage of reducing production cost", the motivation to combine the above elements is still absent and the asserted motivation is inconsistent with Examiner's other argument. Advisory Action, page 2. Specifically, Examiner argues that that Kokubo already

displays icons simultaneously with the work processes, which Applicants do not concede, so a desire for a smaller screen would not lead to motivating an ordinary artisan to combine "multitasking mobile terminal that concurrently performs the first work process and the second work process," element with a "sequentially displaying icons…while performing the first work process… wherein sequentially displaying icons comprises displaying the icons in the order of the work process performed" as recited by claim 1. (emphasis added). For at least these reasons, the conclusory assertion of obviousness made by the Examiner is improper.

Thus, for at least these reasons, Kokubo in view of Nokia fails to disclose at least the features of amended claim 1.

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. § 103(a) rejection of claim 1 as amended. Claim 3 depends from claim 1 and is allowable at least for this reason. Since none of the other prior art of record, whether taken alone or in any combination, discloses or suggests all the features of the claimed invention, Applicants respectfully submit that independent claim 1, and all the claims that depend therefrom, are allowable.

Claims 4-8 stand rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Kokubo, in view of Nokia, and in further view of U.S. Patent Application Publication No. 2002/0080186 applied for by Frederiksen ("Frederiksen"). Even if combined, the cited references fail to disclose every feature of claim 4 as amended.

Claim 4 has been amended to include features similar to those discussed above with respect to claim 1, and therefore, is patentable for at least similar reasons as those discussed above with respect to claim 1. Specifically, claim 4 as amended recites "while performing the first work process, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal, wherein sequentially displaying icons comprises displaying the icons in order of the work process performed" and

"inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process" which are not disclosed or suggested in either Kokubo, Nokia, or Frederiksen. Thus, because Kokubo in view of Nokia and Frederiksen fails to disclose or suggest each element of claim 4 as amended, the 35 U.S.C. § 103(a) rejection of claim 4 must be withdrawn.

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. § 103(a) rejection of claim 4 as amended. Claims 5 - 8 depend from claim 4 and are allowable at least for this reason. Since none of the other prior art of record, whether taken alone or in any combination, discloses or suggests all the features of the claimed invention, Applicants respectfully submit that independent claim 4, and all the claims that depend therefrom, are allowable.

CONCLUSION

A full and complete response has been made to the pending Office Action, and all of the stated grounds for rejection have been overcome or rendered moot. Accordingly, all pending claims are allowable, and the application is in condition for allowance.

The Examiner is invited to contact Applicants' undersigned representative at the number below if it would expedite prosecution. Prompt and favorable consideration of this Reply is respectfully requested.

Respectfully submitted,

/hae-chan park/

Hae-Chan Park
Reg. No. 50,114

Date: June 13, 2011

CUSTOMER NUMBER: 58027
H.C. Park & Associates, PLC
8500 Leesburg Pike
Suite 7500
Vienna, VA 22182
Tel: 703-288-5105
Fax: 703-288-5139
HCP/SKH/kca

Electronic Patent Application Fee Transmittal

Application Number:	11495863
Filing Date:	28-Jul-2006
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Filer:	Hae-Chan Park
Attorney Docket Number:	P4101US00

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Request for continued examination	1801	1	810	810
		Total in USD ($)		**810**

Electronic Acknowledgement Receipt

EFS ID:	10290777
Application Number:	11495863
International Application Number:	
Confirmation Number:	3379
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Customer Number:	58027
Filer:	Hae-Chan Park/Wayne Helge
Filer Authorized By:	Hae-Chan Park
Attorney Docket Number:	P4101US00
Receipt Date:	13-JUN-2011
Filing Date:	28-JUL-2006
Time Stamp:	16:34:12
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$810
RAM confirmation Number	3223
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1	Request for Continued Examination (RCE)	P4101US00_RCE.pdf	772243 b1d73b6e417d7df4616471fc849afd69f3c92101	no	3
Warnings:					
Information:					
2		P4101US00_Reply.pdf	54246 c22977cb3f77f8fc8186992e7c3f7496bbfe7af9	yes	10

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment Submitted/Entered with Filing of CPA/RCE	1	1
	Claims	2	4
	Applicant Arguments/Remarks Made in an Amendment	5	10

Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	30278 5a8a6548fdb8bc33c2a177090d2e235fd757dacb	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	856767		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/06 (07-06)
Approved for use through 1/31/2007. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
11/495,863	07/28/2006	

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)	SMALL ENTITY ☐ RATE ($)	SMALL ENTITY ☐ FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY FEE ($)
FOR	NUMBER FILED	NUMBER EXTRA					
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	x $ =		OR	x $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	x $ =			x $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
06/13/2011	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA					
Total (37 CFR 1.16(i))	* 7	Minus	** 20	= 0	x $ =		OR	x $52=	0
Independent (37 CFR 1.16(h))	* 2	Minus	***3	= 0	x $ =		OR	x $220=	0
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	**0**

AMENDMENT	(Column 1)		(Column 2)	(Column 3)	RATE ($)	ADDITIONAL FEE ($)	OR	RATE ($)	ADDITIONAL FEE ($)
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA					
Total (37 CFR 1.16(i))	*	Minus	**	=	x $ =		OR	x $ =	
Independent (37 CFR 1.16(h))	*	Minus	***	=	x $ =		OR	x $ =	
☐ Application Size Fee (37 CFR 1.16(s))									
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
					TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
/CURTIS NELLOMS JR/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/495,863	07/28/2006	Seul Ki Choi	P4101US00	3379

58027 7590 10/22/2012

H.C. PARK & ASSOCIATES, PLC
8500 LEESBURG PIKE
SUITE 7500
VIENNA, VA 22182

EXAMINER	
SWIFT, CHARLES M	

ART UNIT	PAPER NUMBER
2196	

NOTIFICATION DATE	DELIVERY MODE
10/22/2012	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATENT@PARK-LAW.COM

Office Action Summary	Application No.	Applicant(s)	
	11/495,863	CHOI ET AL.	
	Examiner	Art Unit	
	CHARLES SWIFT	2196	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *13 June 2011*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

5)☒ Claim(s) *1, 3 - 8* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1, 3 - 8* is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

12)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

1. This office action is in response to RCE filed on 6/13/2011.

2. Claims 1, 4 and 6 are amended.

3. Claims 1, 3 – 8 are pending.

Continued Examination Under 37 CFR 1.114

4. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 6/13/2011 has been entered.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. Claims **1 and 3** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Kokubo (US 7123945)**, in view of the **Kondo (US 20030016251)**.

As per claim 1, Kokubo discloses: A method for selecting a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process, inputting a first command for sequentially [highlight] icons in turn corresponding to respective work processes of the mobile terminal; **(Kokubo col 10, lines 24-35 & Fig. 8B-8C: scrolls to desired icon (A) while B is being performed; see also Fig. 13: icon A can be any of those in display 142)**

inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process; **(Kokubo col 10, lines 24-35 & Fig. 8B-8C: scrolls to desired icon (A) and selects it; col 13, lines 33-39 & Fig. 12: for example selects the "i" icon)**

and performing, concurrently, the first work process and the second work process in response to the second command. **(Kokubo col 13, lines 33-39: internet process and phone call concurrent; or col 14, 17-22: music reproduction is also ongoing)**

Kokubo did not disclose:

wherein inputting a first command to sequentially highlight icons in turn is implemented as sequentially displaying icons in turn, wherein sequentially displaying icons comprises displaying the icons in order of the work process performed;

However, Kondo teaches:

wherein inputting a first command to sequentially highlight icons in turn is implemented as sequentially displaying icons in turn, wherein sequentially displaying

icons comprises displaying the icons in order of the work process performed; **(Kondo [0012])**

It would have been obvious for one of ordinary skill in the art at the time of invention to incorporate the teaching of Kondo into that of Kokubo in order to input a first command to sequentially highlight icons in turn is implemented as sequentially displaying icons in turn, wherein sequentially displaying icons comprises displaying the icons in order of the work process performed. Such combination would allow displaying the work icons in the ordering which they are to be executed, thus allow a better view to the execution sequence of the processes, such combination would enhance the overall appeals of all references.

As per claim 3, Kokubo and Kondo further teach:

The method of claim 1, wherein a screen image of the selected second work process and an icon corresponding to the first work process are displayed together. **(Kokubo Fig. 12: sub-display 142 with busy icon - representing phone call process - while internet process is on main screen 122; col 13, lines 19-23)**

7. Claims **4 – 8** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Kokubo**, in view of **Kondo**, and in further view of **Frederiksen (US 20020080186)**.

As per claim 4, Kokubo discloses: A method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that

concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process, inputting a first command for sequentially [highlight] displaying icons in turn corresponding to respective work processes of the mobile terminal; **(Kokubo col 10, lines 24-35 & Fig. 8B-8C: scrolls to desired icon (A) while B is being performed; see also Fig. 13: icon A can be any of those in display 142)**

inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process; **(Kokubo col 10, lines 24-35 & Fig. 8B-8C: scrolls to desired icon (A) and selects it; col 13, lines 33-39 & Fig. 12: for example selects the "i" icon)**

Kokubo did not disclose:

wherein inputting a first command to sequentially highlight icons in turn is implemented as sequentially displaying icons in turn, wherein sequentially displaying icons comprises displaying the icons in order of the work process performed;

inputting a third command for activating a pop-up menu for controlling a predetermined function of the second work process;

and inputting a fourth command for controlling the predetermined function of the second work process through the activated pop-up menu.

However, Kondo teaches:

wherein inputting a first command to sequentially highlight icons in turn is implemented as sequentially displaying icons in turn, wherein sequentially displaying icons comprises displaying the icons in order of the work process performed; **(Kondo [0012])**

It would have been obvious for one of ordinary skill in the art at the time of invention to incorporate the teaching of Kondo into that of Kokubo in order to input a first command to sequentially highlight icons in turn is implemented as sequentially displaying icons in turn, wherein sequentially displaying icons comprises displaying the icons in order of the work process performed. Such combination would allow displaying the work icons in the ordering which they are to be executed, thus allow a better view to the execution sequence of the processes, such combination would enhance the overall appeals of all references.

Frederiksen teaches:

inputting a third command for activating a pop-up menu for controlling a predetermined function of the second work process; **(Frederiksen Fig. 4, screens 43 & 46: pop-up activated for controlling text insertion, copy & paste, etc. in the text message process; [0070]: pop-up activated by pressing navigation & selection key 10; see also Fig. 1)**

and inputting a fourth command for controlling the predetermined function of the second work process through the activated pop-up menu. **(Frederiksen [0070]: user selects one of the pop-up menu items)**

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Kokubo and Kondo such that, after the second process has been restored to the main screen, a context-sensitive pop-up menu may be activated to control particular functions of the second process as taught by Frederiksen as this would have improved screen space efficiency by reducing the need for constant on-screen soft keys (Frederiksen, [0007]).

As per claim 5, Kokubo, Kondo and Frederiksen further teach:

The method of claim 4, wherein the controlling the predetermined function of the second work process comprises: generating a control signal for controlling the predetermined function of the second work process in response to the fourth command **(Frederiksen [0029]: depressing the navigation and selection key 10 generates a "selection signal for the processor")**; and controlling the predetermined function of the second work process in response to the generated control signal **(Frederiksen [0070]: understood that selecting from the pop-up list is performed by depressing the navigation and selection key 10)**.

As per claim 6, Kokubo, Kondo and Frederiksen further teach:

The method of claim 4, further comprising: inputting a fifth command for deactivating the activated pop-up menu; and deactivating the activated pop-up menu in response to the fifth command. **(Frederiksen [0076])**

As per claim 7, Kokubo, Kondo and Frederiksen further teach:

The method of claim 6, wherein the third command and the fifth command are inputted through an identical key of the mobile terminal. **(Frederiksen [0070]: activation by navigation and selection key 10; [0076]: deactivation by moving cursor beyond the pop-up borders; [0029]: navigation and selection key 10, which includes roller body 20, used to control the cursor; see also Fig. 1)**

As per claim 8, Kokubo, Kondo and Frederiksen further teach:

The method of claim 6, wherein the second work process is an [music] play process. **(Kokubo Fig. 10; col 14, lines 17-30)**

Kokubo, Kondo and Frederiksen does not explicitly teach that the music play process is an MP3 play process. Nonetheless, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide support for mp3 playback in the music play process because this would have ensured the music playback functionality was compatible with a popular file type.

Response to Arguments

8. Applicant's arguments with respect to claims 1 and 3 – 8 have been considered but are moot because the arguments do not apply to any of the references being used in the current rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHARLES SWIFT whose telephone number is (571)270-7756. The examiner can normally be reached on Monday through Thursday, 9:00AM to 6:00PM, Friday 10:30AM - 3:30PM, Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emerson Puente can be reached on (571)272-3652. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/C. S./
Charles Swift
Examiner, Art Unit 2196
10/16/2012

/Emerson C Puente/
Supervisory Patent Examiner, Art Unit 2196

Notice of References Cited	Application/Control No. 11/495,863	Applicant(s)/Patent Under Reexamination CHOI ET AL.	
	Examiner CHARLES SWIFT	Art Unit 2196	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2003/0016251	01-2003	Kondo, Hirokazu	345/846
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11495863	CHOI ET AL.
	Examiner	**Art Unit**
	CHARLES SWIFT	2196

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	08/23/2010	03/10/2011	10/16/2012						
	1	✓	✓	✓						
	2	✓	-	-						
	3	✓	✓	✓						
	4	✓	✓	✓						
	5	✓	✓	✓						
	6	✓	✓	✓						
	7	✓	✓	✓						
	8	✓	✓	✓						

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11495863	CHOI ET AL.
	Examiner	**Art Unit**
	CHARLES SWIFT	2196

SEARCHED

Class	Subclass	Date	Examiner
718	100	10/16/2012	CS

SEARCH NOTES

Search Notes	Date	Examiner
Inventor search in PALM	8/23/10	NK
Keyword search in EAST, see attached	8/23/10	NK
Subclasses 715/808 & 810 limited by keyword in EAST, see attached	3/10/11	NK
Keyword search in EAST, see attached	3/10/11	NK
NPL search in Google, see attached results	3/10/11	NK
Patent search in EAST and Google	10/16/2012	CS
NPL search in IEEE, ACM and Google	10/16/2012	CS
Limited text search in class 718/100	10/16/2012	CS
Double patenting search	10/16/2012	CS

INTERFERENCE SEARCH

Class	Subclass	Date	Examiner

/CHARLES SWIFT/
Examiner.Art Unit 2196

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"7123945".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 11:50
L2	146	sequential$2 with (display$3 show$3) with icon with order	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:39
L3	29	2 and (mobile near3 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:39
L4	5	3 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:39
L5	228	sequential$2 with (display$3 show$3) with ((icon symbol) near5 (work process)) with order	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
L6	23	5 and (mobile near3 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
L7	0	6 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
L8	6	5 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
L9	536	(display$3 show$3) with ((icon symbol) near5 (work process)) with order	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:46
L10	789	(display$3 show$3) with ((icon symbol) near5 (work process)) with (order sequen$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:46
L11	40	2 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47
L12	594990	11and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47

L13	97	10 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47
L14	30	13 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47
L15	171	9 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:55
L16	163	15 not 14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:55
L17	2	16 and "455".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:55
L18	544	(display$3 show$3) with ((icon symbol) near5 (work process)) with order$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:34
L19	176	18 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:35
L20	5	19 not 15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:35
L21	34	(display$3 show$3) with ((icon symbol) near5 (work process)) with order$3 with arrang$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:36
L22	8	(display$3 show$3) with ((icon symbol) near5 (work process)) with order$3 with priority	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:36
L23	1	22 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:37
L24	633	(arrang$3 display$3 show$3) with ((icon symbol) near5 (work process)) with (order$3 priority)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:42
L25	211	24 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:42
L26	33	25 and ("718" "715" "709").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:42
L27	0	26 and (mobile adj3 device)	US-PGPUB; USPAT; EPO; JPO;	OR	ON	2012/10/16 13:43

			DE RWE NT			
L28	0	26 and (mobile near3 (terminal device))	US-PGPUB; USPAT; E PO; JPO; DERWE NT	OR	ON	2012/10/16 13:43
L29	11	25 and (mobile near3 (terminal device))	US-PGPUB; USPAT; E PO; JPO; DERWE NT	OR	ON	2012/10/16 13:43
L30	35	(arrang$3) with (display$3 show$3) with ((icon symbol) near5 (work process)) with (order$3 priority)	US-PGPUB; USPAT; E PO; JPO; DE RWE NT	OR	ON	2012/10/16 13:48
L31	16	30 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; E PO; JPO; DE RWE NT	OR	ON	2012/10/16 13:48
L32	2	"20020080186"	US-PGPUB; USPAT; E PO; JPO; DE RWENT	OR	ON	2012/10/16 14:13

EAST Search History (Interference)

<This search history is empty>

10/16/2012 2:30:18 PM
C:\Users\cswift\Documents\EAST\Workspaces\EAST 11495863.wsp

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	Docket No.: P4101US00
Seul Ki CHOI, *et al.*	
Serial No.: 11/495,863	Group Art Unit: 2196
Confirmation No.: 3379	
Filed: July 28, 2006	Examiner: SWIFT, CHARLES M

For: **METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL**

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY AND AMENDMENT UNDER 37 C.F.R. § 1.111

Sir:

In response to the Non-Final Office Action dated October 22, 2012 ("Office Action"), Applicants respectfully request reconsideration of the application in view of the following Amendments and Remarks.

Amendments to the Claims begin on page 2.

Remarks begin on page 5.

No extensions of time are required at this time. If extensions of time are necessary to prevent abandonment of this application, then they are petitioned for under 37 C.F.R. § 1.136(a). No fees for net addition of claims are required at this time. Any fees required for extensions of time or for the net addition of claims may be charged to our Deposit Account No. 50-3698.

AMENDMENTS TO THE CLAIMS

Please **AMEND** claims 1 and 4 as shown below.

This claim list replaces all prior claim lists in the application.

1. (Currently Amended) A method for selecting a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal, wherein sequentially displaying icons comprises displaying the icons corresponding to active work processes in order of the work process performed;

inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process; and

performing, concurrently, the first work process and the second work process in response to the second command.

2. (Canceled)

3. (Previously Presented) The method of claim 1, wherein a screen image of the selected second work process and an icon corresponding to the first work process are displayed together.

4. (Currently Amended) A method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that

concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal, wherein sequentially displaying icons comprises displaying the icons corresponding to active work processes in order of the work process performed;

inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process;

inputting a third command for activating a pop-up menu for controlling a predetermined function of the second work process; and

inputting a fourth command for controlling the predetermined function of the second work process through the activated pop-up menu.

5. (Previously Presented) The method of claim 4, wherein the controlling the predetermined function of the second work process comprises:

generating a control signal for controlling the predetermined function of the second work process in response to the fourth command; and

controlling the predetermined function of the second work process in response to the generated control signal.

6. (Previously Presented) The method of claim 4, further comprising:

inputting a fifth command for deactivating the activated pop-up menu; and

deactivating the activated pop-up menu in response to the fifth command.

7. (Previously Presented) The method of claim 6, wherein the third command and the fifth command are inputted through an identical key of the mobile terminal.

8. (Original) The method of claim 6, wherein the second work process is an MP3 play process.

REMARKS

Claims 1 and 4 have been amended. Accordingly, claims 1, 3-8 are currently pending in the application, of which claims 1 and 4 are independent.

Applicants respectfully submit that the above amendments do not add new matter to the application and are fully supported by the specification. Support for the amendments may be found at least in paragraph [0027] of the specification.

In view of the above amendments and following Remarks, Applicants respectfully request reconsideration and timely withdrawal of the pending rejections for the reasons discussed below.

Rejections Under 35 U.S.C. § 103

To establish an obviousness rejection under 35 U.S.C. § 103(a), four factual inquiries must be examined. The four factual inquiries include (a) determining the scope and contents of the prior art; (b) ascertaining the differences between the prior art and the claims in issue; (c) resolving the level of ordinary skill in the pertinent art; and (d) evaluating evidence of secondary consideration. *Graham v. John Deere*, 383 U.S. 1, 17-18 (1966).

In view of these four factors, the analysis supporting a rejection under 35 U.S.C. 103(a) should be made explicit, and should "identify a reason that would have prompted a person of ordinary skill in the relevant field to combine the [prior art] elements" in the manner claimed. *KSR Int'l. Co. v. Teleflex, Inc.*, 127 S. Ct. 1727, 82 USPQ2d 1385, 1396 (2007). The Federal Circuit requires that "rejections on obviousness cannot be sustained with mere conclusory statements; instead, there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness." *In re Kahn*, 441 F.3d 977, 988, 78 USPQ2d 1329, 1336 (Fed. Cir. 2006).

Finally, even if the prior art may be combined, there must be a reasonable expectation of success, and the reference or references, when combined, must disclose or suggest every claimed feature. *See in re Vaeck*, 947 F.2d 488, 20 USPQ2d 1438 (Fed. Cir. 1991).

Claims 1 and 3 stand rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over U.S. Patent No. 7,123,945, issued to Kokubo ("Kokubo") in view of U.S. Patent Application Publication No. 2003/0016251, applied for by Kondo ("Kondo"). Applicants respectfully traverse this rejection for at least the following reasons.

Claim 1, as amended, recites in relevant part:

> A method for selecting a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:
> while performing the first work process, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal, wherein sequentially displaying icons comprises ***displaying the icons corresponding to active work processes*** in order of the work process performed (emphasis added)

In the Office Action, the Examiner concedes that Kokubo fails to disclose each and every feature of claim 1 and argues that Kondo cures these deficiencies. Office Action, pages 2-3. Without conceding the correctness of the Examiner's assertions, claim 1 has been amended to recite, *inter alia*, that "sequentially displaying icons comprises ***displaying the icons corresponding to active work processes*** in order of the work process performed", at least which are not disclosed or suggested by Kondo or Kokubo, alone or in combination. (emphasis added). Instead, Kondo discloses a display of "works-icons defining commands according to plural works constituting ***a series of works for creation of a profile***…arranged in the same order as the working procedure of the ***series of works***…***to be executed next"*** according to a predetermined procedure. Kondo, paragraph [0115]; see also Kondo [0008] (emphasis added). Accordingly, since Kondo fails to disclose the recited features of amended claim 1, and Kokubo fails to cure this deficiency, the 35 U.S.C. § 103(a) rejection of claim 1 cannot be maintained.

Further, the Examiner argues that "[i]t would have been obvious for one of ordinary skill in the art at the time of invention to incorporate the teaching of Kondo into that of Kokubo" because "[s]uch combination…allow a better view to the execution of the processes". Office Action, page 4. Applicants respectfully disagree. "In order for a reference to be proper for use in an obviousness rejection under 35 U.S.C. 103, the reference must be analogous art to the claimed invention." MPEP §2141.01(a) (citing *In re Bigio*, 381 F. 3d 1320, 1325 (Fed. Cir. 2004)). A reference is determined to be analogous if "(1) the reference is from the same field of endeavor as the claimed invention (even if it addresses a different problem); or (2) the reference is reasonably pertinent to the problem faced by the inventor (even if it is not in the same field of endeavor as the claimed invention)". *Id*. Here, Kondo is directed "a command execution apparatus wherein an icon, in which a command is defined, is displayed on a display screen and the command is executed in accordance with the icon designated upon", such as a "profile generating apparatus for creating a desired profile in accordance with a scheme that a target device such as a printing device is used to output a color chart", because "even if representation of the individual icons with patterns makes it possible for the operator to be reminded of the processing contents to be executed when icons are designated, it is difficult to surely complete the work, unless the operator understands the working procedure". Kondo, paragraphs [0002], [0008] and [0073]. In contrast, claim 1 is directed to "[a] method for selecting a second work process during a first work process ***in a multitasking mobile terminal that concurrently performs the first work process and the second work process***". (emphasis added). Accordingly, since Kondo is directed to an invention in a different field of endeavor and for solving uniquely different problems, Kondo is not analogous and may not be relied upon to support an obviousness argument.

Further, as the *KSR* Court noted, obviousness *cannot be proven merely by showing that the elements of a claimed device were known in the prior art*; it must be shown that those of

ordinary skill in the art would have had some "***apparent reason to combine the known elements in the fashion claimed***." *KSR* at 1741 (emphasis added). Here, the Examiner argues without support that such combination of Kokubo and Kondo is obvious, and cites to no evidence to support that those of ordinary skill in the art at the relevant time period would have had some apparent reason to combine the known elements in the fashion claimed. Such hindsight analysis "must be avoided and the ***legal conclusion must be reached on the basis of the facts gleaned from the prior art***". MPEP §2142 (emphasis added). Accordingly, a conclusion of obviousness to combine without necessary supporting facts cannot be maintained.

Thus, for at least these reasons, Kokubo and Kondo may not be combined to support a claim of obviousness.

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. § 103(a) rejection of claim 1. Claim 3 depends from claim 1 and is allowable at least for this reason. Since none of the other prior art of record, whether taken alone or in any combination, discloses or suggests all the features of the claimed invention, Applicants respectfully submit that independent claim 1, and all the claims that depend therefrom, are allowable.

Claims 4-8 stand rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Kokubo, in view of Kondo, and in further view of U.S. Patent Application Publication No. 2002/0080186 applied for by Frederiksen ("Frederiksen"). Applicants respectfully traverse this rejection for at least the following reasons.

Claim 4 has been amended to include features similar to those above with respect to amended claim 1, and therefore, is patentable for at least similar reasons as those discussed with respect to amended claim 1. Specifically, amended claim 4 recites, in relevant part, "sequentially displaying icons comprises displaying the icons corresponding to active work

processes in order of the work process performed", which is not disclosed in Kokubo or Kondo, alone or in combination. Accordingly, because Kokubo in view of Kondo fails to disclose at least these elements of amended claim 4, the 35 U.S.C. § 103(a) rejection of claim 4 must be withdrawn.

Claims 5-8 depend from claim 4 and are allowable at least for this reason. Since none of the other prior art of record, whether taken alone or in any combination, discloses or suggests all the features of the claimed invention, Applicants respectfully submit that independent claim 4, and all the claims that depend therefrom, are allowable.

CONCLUSION

A full and complete response has been made to the pending Office Action, and all of the stated grounds for rejection have been overcome or rendered moot. Accordingly, all pending claims are allowable, and the application is in condition for allowance.

The Examiner is invited to contact Applicants' undersigned representative at the number below if it would expedite prosecution. Prompt and favorable consideration of this Reply is respectfully requested.

Respectfully submitted,

/hae-chan park/

Hae-Chan Park
Reg. No. 50,114

Date: January 21, 2013

CUSTOMER NUMBER: 58027
H.C. Park & Associates, PLC
1894 Preston White Drive
Reston, VA 20191
Tel: 703-288-5105
Fax: 703-288-5139
HCP/SKH/cel

Electronic Acknowledgement Receipt

EFS ID:	14747619
Application Number:	11495863
International Application Number:	
Confirmation Number:	3379
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Customer Number:	58027
Filer:	Hae-Chan Park/Nathan Cristler
Filer Authorized By:	Hae-Chan Park
Attorney Docket Number:	P4101US00
Receipt Date:	21-JAN-2013
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Application Type:	Utility under 35 USC 111(a)

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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		P4101US00_Reply.pdf	56371 34600bb44cfbc83e84c785ef8816140 1f33a3a00	yes	10

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Claims	2	4
	Applicant Arguments/Remarks Made in an Amendment	5	10
Warnings:			
Information:			
	Total Files Size (in bytes):	56371	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/06 (07-06)
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 11/495,863	Filing Date 07/28/2006	☐ To be Mailed

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)	SMALL ENTITY ☐		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	x $ =		OR	x $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	x $ =			x $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $250 ($125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	

APPLICATION AS AMENDED – PART II

		(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
	01/21/2013	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
AMENDMENT	Total (37 CFR 1.16(i))	* 7	Minus	** 20	= 0	x $ =		OR	x $62=	0
	Independent (37 CFR 1.16(h))	* 2	Minus	***3	= 0	x $ =		OR	x $250=	0
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	**0**

		(Column 1)		(Column 2)	(Column 3)					
		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)		RATE ($)	ADDITIONAL FEE ($)
AMENDMENT	Total (37 CFR 1.16(i))	*	Minus	**	=	x $ =		OR	x $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x $ =		OR	x $ =	
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

Legal Instrument Examiner:
/ROLITA WIMBUSH/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/495,863	07/28/2006	Seul Ki Choi	P4101US00	3379

58027 7590 03/28/2013
H.C. PARK & ASSOCIATES, PLC
1894 PRESTON WHITE DRIVE
RESTON, VA 20191

EXAMINER	
SWIFT, CHARLES M	

ART UNIT	PAPER NUMBER
2196	

NOTIFICATION DATE	DELIVERY MODE
03/28/2013	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATENT@PARK-LAW.COM

Office Action Summary	Application No.	Applicant(s)	
	11/495,863	CHOI ET AL.	
	Examiner	Art Unit	
	CHARLES SWIFT	2196	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *21 January 2013*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

5)☒ Claim(s) *1 and 3 - 8* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1 and 3 - 8* is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

4) ☐ Other: _____.

DETAILED ACTION

1. This office action is in response to amendment filed on 1/21/2013.

2. Claims 1 and 4 are amended.

3. Claims 1, 3 – 8 are pending.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims **1 and 3** are rejected under 35 U.S.C. 102(e) as being anticipated by **Kokubo (USPAT 7123945)**.

As per claim 1, Kokubo discloses: A method for selecting a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process **(Kokubo col 13, lines 23 – 24: the portable telephone is receiving a phone call)**, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the

mobile terminal **(Kokubo col 13, 24 – 30: a predetermined operation is performed with the input/call key 162 or the operation keys 164 of the operation unit 160 to thereby switch from the main display unit 122 to the sub-display unit 142)**, wherein sequentially displaying icons comprises displaying the icons corresponding to active work process in order of the work process performed **(Kokubo figure 12: the sub-display unit 142, especially the lower row contains icons of the active processes of the phone in sequential order)**;

inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process; **(Kokubo col 10, lines 24-35 & Fig. 8B-8C: scrolls to desired icon (A) and selects it; col 13, lines 33-39 & Fig. 12: for example selects the "i" icon; col 7, lines 50 – 56: the pointer type icon can restore and display the corresponding task on the main display, thus making it possible to select other active tasks icons on the sub-display unit 142.)**

and performing, concurrently, the first work process and the second work process in response to the second command. **(Kokubo col 13, lines 33-39: internet process and phone call concurrent; or col 14, 17-22: music reproduction is also ongoing)**

As per claim 3, Kokubo further discloses:

The method of claim 1, wherein a screen image of the selected second work process and an icon corresponding to the first work process are displayed together.

(Kokubo Fig. 12: sub-display 142 with busy icon - representing phone call process - while internet process is on main screen 122; col 13, lines 19-23)

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

7. Claims **4 – 8** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Kokubo**, in further view of **Frederiksen (US 20020080186)**.

As per claim 4, Kokubo discloses: A method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process **(Kokubo col 13, lines 23 – 24: the portable telephone is receiving a phone call)**, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal **(Kokubo col 13, 24 – 30: a predetermined operation is performed with the input/call key 162 or the operation keys 164 of the operation unit 160 to thereby switch from the main display unit 122 to the sub-display unit 142)**, wherein

sequentially displaying icons comprises displaying the icons corresponding to active work process in order of the work process performed **(Kokubo figure 12: the sub-display unit 142, especially the lower row contains icons of the active processes of the phone in sequential order)**;

inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process; **(Kokubo col 10, lines 24-35 & Fig. 8B-8C: scrolls to desired icon (A) and selects it; col 13, lines 33-39 & Fig. 12: for example selects the "i" icon; col 7, lines 50 – 56: the pointer type icon can restore and display the corresponding task on the main display, thus making it possible to select other active tasks icons on the sub-display unit 142.)**

Kokubo did not disclose:

inputting a third command for activating a pop-up menu for controlling a predetermined function of the second work process;

and inputting a fourth command for controlling the predetermined function of the second work process through the activated pop-up menu.

.

However, Frederiksen teaches:

inputting a third command for activating a pop-up menu for controlling a predetermined function of the second work process; **(Frederiksen Fig. 4, screens 43 & 46: pop-up activated for controlling text insertion, copy & paste, etc. in the text**

message process; [0070]: pop-up activated by pressing navigation & selection key 10; see also Fig. 1)

and inputting a fourth command for controlling the predetermined function of the second work process through the activated pop-up menu. **(Frederiksen [0070]: user selects one of the pop-up menu items)**

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Kokubo and Kondo such that, after the second process has been restored to the main screen, a context-sensitive pop-up menu may be activated to control particular functions of the second process as taught by Frederiksen as this would have improved screen space efficiency by reducing the need for constant on-screen soft keys (Frederiksen, [0007]).

As per claim 5, Kokubo and Frederiksen further teach:

The method of claim 4, wherein the controlling the predetermined function of the second work process comprises: generating a control signal for controlling the predetermined function of the second work process in response to the fourth command **(Frederiksen [0029]: depressing the navigation and selection key 10 generates a "selection signal for the processor")**; and controlling the predetermined function of the second work process in response to the generated control signal **(Frederiksen [0070]: understood that selecting from the pop-up list is performed by depressing the navigation and selection key 10)**.

As per claim 6, Kokubo and Frederiksen further teach:

The method of claim 4, further comprising: inputting a fifth command for deactivating the activated pop-up menu; and deactivating the activated pop-up menu in response to the fifth command. **(Frederiksen [0076])**

As per claim 7, Kokubo and Frederiksen further teach:

The method of claim 6, wherein the third command and the fifth command are inputted through an identical key of the mobile terminal. **(Frederiksen [0070]: activation by navigation and selection key 10; [0076]: deactivation by moving cursor beyond the pop-up borders; [0029]: navigation and selection key 10, which includes roller body 20, used to control the cursor; see also Fig. 1)**

As per claim 7, Kokubo and Frederiksen further teach:

The method of claim 6, wherein the second work process is an MP3 play process. **(Kokubo col 13, lines 4 – 9: audio player software, it is commonly known in the field that MP3 is a popular and preferred storage format for digital music to be played on audio player software.)**

Response to Arguments

8. Applicant's arguments filed 1/21/2013 have been fully considered but they are not persuasive.

Applicant argued on page 5 – 8 that Kokubo and Kondo references does not teach limitation "while performing the first work process, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal, wherein sequentially displaying icons comprises displaying the icons corresponding to active work process in order of the work process performed" of amended claims 1 and 4.

The examiner disagrees and would like to point out that Kokubo figure 12 shows the sub-display unit 142 contains plurality of icons, where the icons on the lower row corresponds to the active processes of the mobile phone in sequential order. Kokubo col 13, line 4 – col 14, line 44 teaches that the mobile phone can generate multiple icons in response to the active processes, such as icons for music player, phone call, internet and email functions. Furthermore Kokubo col 7, lines 50 – 56 teaches the pointer type icon can restore and display the corresponding task on the main display, thus making it possible to select other active tasks icons on the sub-display unit 142 as in addition to the create new process example given in col 13, line 4 – col 14, line 44. Therefore Kokubo teaches a phone that can execute processes in parallel and the task in the main display unit can be selected through the icons of active processes located in the sub-display unit 142 and thus anticipates the limitations in question.

Conclusion

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHARLES SWIFT whose telephone number is (571)270-7756. The examiner can normally be reached on Monday through Thursday, 9:00AM to 6:00PM, Friday 10:30AM - 3:30PM, Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emerson Puente can be reached on (571)272-3652. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/C. S./
Charles Swift
Examiner, Art Unit 2196
3/22/2013

/DIEM K CAO/

Primary Examiner, Art Unit 2196

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11495863	CHOI ET AL.
	Examiner	**Art Unit**
	CHARLES SWIFT	2196

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	08/23/2010	03/10/2011	10/16/2012	03/22/2013					
	1	✓	✓	✓	✓					
	2	✓	-	-	-					
	3	✓	✓	✓	✓					
	4	✓	✓	✓	✓					
	5	✓	✓	✓	✓					
	6	✓	✓	✓	✓					
	7	✓	✓	✓	✓					
	8	✓	✓	✓	✓					

RESPONSE UNDER 37 CFR 1.116
EXPEDITED PROCEDURE
GROUP ART UNIT 2196

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	Docket No.: P4101US00
Seul Ki CHOI, *et. al.*	
Serial No.: 11/495,863	Group Art Unit: 2196
Confirmation No.: 3379	
Filed: July 28, 2006	Examiner: SWIFT, CHARLES M

For: **METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL**

Mail Stop: AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY AND AMENDMENT UNDER 37 C.F.R. § 1.116

Sir:

In response to the Final Office Action dated March 28, 2013 ("Office Action"), Applicants respectfully request reconsideration of the application in view of the following Amendments and Remarks.

Amendments to the Claims begin on page 2.

Remarks begin on page 5.

No extensions of time are required at this time. If extensions of time are necessary to prevent abandonment of this application, then they are petitioned for under 37 C.F.R. § 1.136(a). No fees for net addition of claims are required at this time. Any fees required for extensions of time or for the net addition of claims may be charged to our Deposit Account No. 50-3698.

AMENDMENTS TO THE CLAIMS

Please **AMEND** claims 1 and 4 as shown below.

This claim list replaces all prior claim lists in the application.

1. (Currently Amended) A method for selecting a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal, wherein sequentially displaying icons comprises ~~displaying~~overlaying the icons corresponding to active work processes in order of the work process performed over a screen corresponding to the first work process;

inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process; and

performing, concurrently, the first work process and the second work process in response to the second command.

2. (Canceled)

3. (Previously Presented) The method of claim 1, wherein a screen image of the selected second work process and an icon corresponding to the first work process are displayed together.

4. (Currently Amended) A method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal, wherein sequentially displaying icons comprises ~~displaying~~overlaying the icons corresponding to active work processes in order of the work process performed over a screen corresponding to the first work process;

inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process;

inputting a third command for activating a pop-up menu for controlling a predetermined function of the second work process; and

inputting a fourth command for controlling the predetermined function of the second work process through the activated pop-up menu.

5. (Previously Presented) The method of claim 4, wherein the controlling the predetermined function of the second work process comprises:

generating a control signal for controlling the predetermined function of the second work process in response to the fourth command; and

controlling the predetermined function of the second work process in response to the generated control signal.

6. (Previously Presented) The method of claim 4, further comprising:

inputting a fifth command for deactivating the activated pop-up menu; and

deactivating the activated pop-up menu in response to the fifth command.

7. (Previously Presented) The method of claim 6, wherein the third command and the fifth command are inputted through an identical key of the mobile terminal.

8. (Original) The method of claim 6, wherein the second work process is an MP3 play process.

REMARKS

Claims 1 and 4 have been amended. Accordingly, claims 1, 3-8 are currently pending in the application, of which claims 1 and 4 are independent.

Applicants respectfully submit that the above amendments do not add new matter to the application and are fully supported by the specification. Support for the amendments may be found at least in Figures 5A-5D, 8A-8B and at paragraphs [0027], [0030]-[0031] of the specification.

In view of the above amendments and following Remarks, Applicants respectfully request reconsideration and timely withdrawal of the pending rejections for the reasons discussed below.

Rejections Under 35 U.S.C. § 102

In order for a rejection under 35 U.S.C. § 102(e) to be proper, a single reference must disclose every claimed feature. To be patentable, a claim need only recite a single novel feature that is not disclosed in the cited reference. Thus, the failure of a cited reference to disclose one or more claimed features renders the 35 U.S.C. § 102(e) rejection improper.

Claims 1 and 3 stand rejected under 35 U.S.C. § 102(e) as being allegedly anticipated by U.S. Patent No. 7,123,945, issued to Kokubo ("Kokubo").

As a preliminary matter, Applicants note that on pages 2-3 in the Office Action dated October 22, 2012 the Examiner conceded that Kokubo *failed to disclose each and every feature of claim 1*. Specifically, the Examiner conceded that Kokubo failed to disclose "while performing the first work process, ***inputting a first command for sequentially displaying icons in turn corresponding to respective work processes*** of the mobile terminal, wherein sequentially

displaying icons comprises displaying the icons in order of the work process performed" features of claim 1 and relied on U.S. Patent Application Publication No. 2003/0016251, applied for by Kondo ("Kondo"). *Id*. (emphasis added). In the reply dated January 21, 2013, additional limitation of "corresponding to active work processes" was added to claim 1. Although additional limitations were added, the Examiner in this Office Action now determines that Kokubo is no longer deficient in disclosing each and every feature of claim 1 recited, inclusive of the additional limitations that were added.

In the Office Action, the Examiner now asserts that Kokubo discloses each and every feature of claim 1. Office Action, page 2. Without conceding to the correctness of the Examiner's assertions, claim 1 has been amended to recite, in relevant parts:

> while performing the first work process, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal, wherein sequentially displaying icons comprises ***overlaying the icons*** corresponding to active work processes in order of the work process performed ***over a screen corresponding to the first work process*** (emphasis added)

Kokubo illustrates that contents of the main executed application or program is *displayed on the main display unit* and icons of other activated applications are *displayed on a separate sub-display*. See Kokubo, Fig. 3, 5, 7, 10-13. Accordingly, Kokubo discloses separately displaying contents of the main executed application and icons of programs or applications running in the mobile terminal, but not "***overlaying the icons*** corresponding to active work processes in order of the work process performed ***over a screen corresponding to the first work process***" feature of amended claim 1. (emphasis added) Thus, for at least these reasons, Kokubo fails to disclose each and every feature of claim 1.

In the ***Response to Arguments***, the Examiner argues that because figure 12 of Kokubo "***shows the sub-display unit 142 [that] contains plurality of icons***, where the icons on the lower row corresponds to the active processes" and generating "multiple icons in response to the active processes", Kokubo necessarily discloses "while performing the first work process,

inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal, wherein sequentially displaying icons comprises displaying the icons in order of the work process performed" feature of claim 1. Office Action, page 8 (emphasis added). As acknowledged by the Examiner, Kokubo discloses *separately displaying* the icons of active applications on the sub-display unit. In contrast, amended claim 1 recites "***overlaying the icons*** corresponding to active work processes in order of the work process performed ***over a screen corresponding to the first work process***". (emphasis added). Thus, for at least these reasons, Kokubo fails to disclose each and every feature of claim 1.

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. § 102(e) rejection of claim 1. Claim 3 depends from claim 1 and is allowable at least for this reason. Since none of the other prior art of record discloses or suggests all the features of the claimed invention, Applicants submit that independent claim 1, and all the claims that depend therefrom, are allowable.

Rejections Under 35 U.S.C. § 103

To establish an obviousness rejection under 35 U.S.C. § 103(a), four factual inquiries must be examined. The four factual inquiries include (a) determining the scope and contents of the prior art; (b) ascertaining the differences between the prior art and the claims in issue; (c) resolving the level of ordinary skill in the pertinent art; and (d) evaluating evidence of secondary consideration. *Graham v. John Deere*, 383 U.S. 1, 17-18 (1966).

In view of these four factors, the analysis supporting a rejection under 35 U.S.C. 103(a) should be made explicit, and should "identify a reason that would have prompted a person of ordinary skill in the relevant field to combine the [prior art] elements" in the manner claimed. *KSR Int'l. Co. v. Teleflex, Inc.*, 127 S. Ct. 1727, 82 USPQ2d 1385, 1396 (2007). The Federal

Circuit requires that "rejections on obviousness cannot be sustained with mere conclusory statements; instead, there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness." *In re Kahn*, 441 F.3d 977, 988, 78 USPQ2d 1329, 1336 (Fed. Cir. 2006).

Finally, even if the prior art may be combined, there must be a reasonable expectation of success, and the reference or references, when combined, must disclose or suggest every claimed feature. *See in re Vaeck*, 947 F.2d 488, 20 USPQ2d 1438 (Fed. Cir. 1991).

Claims 4-8 stand rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Kokubo, in further view of U.S. Patent Application Publication No. 2002/0080186 applied for by Frederiksen ("Frederiksen"). Applicants respectfully traverse this rejection for at least the following reasons.

Amended Claim 4 includes features similar to those discussed above with respect to amended claim 1, and therefore, is patentable over Kokubo for at least similar reasons as those discussed above with respect to claim 1. Further, Frederiksen fails to cure the deficiencies of Kokubo. Claim 4 now recites "while performing the first work process, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal, wherein sequentially displaying icons comprises overlaying the icons corresponding to active work processes in order of the work process performed over a screen corresponding to the first work process" which are not disclosed or suggested in either Kokubo or Frederiksen. Thus, because Kokubo in view of Frederiksen fails to disclose or suggest each element of claim 4, the 35 U.S.C. § 103(a) rejection of claim 4 must be withdrawn.

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. § 103(a) rejection of claim 4. Claims 5-8 depend from claim 4 and are allowable at least for this reason. Since none of the other prior art of record, whether taken alone or in any combination, discloses

or suggests all the features of the claimed invention, Applicants respectfully submit that independent claim 4, and all the claims that depend therefrom, are allowable.

CONCLUSION

A full and complete response has been made to the pending Office Action, and all of the stated grounds for rejection have been overcome or rendered moot. Accordingly, all pending claims are allowable, and the application is in condition for allowance.

The Examiner is invited to contact Applicants' undersigned representative at the number below if it would expedite prosecution. Prompt and favorable consideration of this Reply is respectfully requested.

Respectfully submitted,

/sok k. hong/

Sok K. Hong
Reg. No. 64,719

Date: May 28, 2013

CUSTOMER NUMBER: 58027
H.C. Park & Associates, PLC
1894 Preston White Drive
Reston, VA 20191
Tel: 703-288-5105
Fax: 703-288-5139
HCP/SKH/cel

Electronic Acknowledgement Receipt

EFS ID:	15884546
Application Number:	11495863
International Application Number:	
Confirmation Number:	3379
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Customer Number:	58027
Filer:	Hae-Chan Park/Sok Hong
Filer Authorized By:	Hae-Chan Park
Attorney Docket Number:	P4101US00
Receipt Date:	28-MAY-2013
Filing Date:	28-JUL-2006
Time Stamp:	16:47:37
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		P4101US00_Reply.pdf	55172 30f163df5317a89c9a984daf339f17417245 4f3b	yes	10

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment After Final	1	1
	Claims	2	4
	Applicant Arguments/Remarks Made in an Amendment	5	10
Warnings:			
Information:			
	Total Files Size (in bytes):	55172	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 11/495,863	Filing Date 07/28/2006	☐ To be Mailed

ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	x $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	x $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	05/28/2013	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 7	Minus	** 20	= 0	x $80 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	***3	= 0	x $420 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	**0**

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x $ =	
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
/ANGELA s. WHITE/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/495,863	07/28/2006	Seul Ki Choi	P4101US00	3379

58027 7590 06/05/2013
H.C. PARK & ASSOCIATES, PLC
1894 PRESTON WHITE DRIVE
RESTON, VA 20191

EXAMINER	
SWIFT, CHARLES M	

ART UNIT	PAPER NUMBER
2196	

NOTIFICATION DATE	DELIVERY MODE
06/05/2013	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATENT@PARK-LAW.COM

Advisory Action Before the Filing of an Appeal Brief	**Application No.** *11/495,863*	**Applicant(s)** CHOI ET AL.
	Examiner CHARLES SWIFT	**Art Unit** 2196

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 28 May 2013 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

NO NOTICE OF APPEAL FILED

1. ☒ The reply was filed after a final rejection. No Notice of Appeal has been filed. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance;

(2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114 if this is a utility or plant application. Note that RCEs are not permitted in design applications. The reply must be filed within one of the following time periods:

a) ☐ The period for reply expires _____months from the mailing date of the final rejection.

b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action; or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

c) ☐ A prior Advisory Action was mailed more than 3 months after the mailing date of the final rejection in response to a first after-final reply filed within 2 months of the mailing date of the final rejection. The current period for reply expires months from the mailing date of *the prior Advisory Action* or SIX MONTHS from the mailing date of the final rejection, whichever is earlier.

Examiner Note: If box 1 is checked, check either box (a), (b) or (c). ONLY CHECK BOX (b) WHEN THIS ADVISORY ACTION IS THE FIRST RESPONSE TO APPLICANT'S FIRST AFTER-FINAL REPLY WHICH WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. ONLY CHECK BOX (c) IN THE LIMITED SITUATION SET FORTH UNDER BOX (c). See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) or (c) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. ☒ The proposed amendments filed after a final rejection, but prior to the date of filing a brief, will not be entered because

a) ☒ They raise new issues that would require further consideration and/or search (see NOTE below);

b) ☐ They raise the issue of new matter (see NOTE below);

c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or

d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

5. ☐ Applicant's reply has overcome the following rejection(s): _____.

6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7. ☒ For purposes of appeal, the proposed amendment(s): (a) ☒ will not be entered, or (b) ☐ will be entered, and an explanation of how the new or amended claims would be rejected is provided below or appended.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ The affidavit or other evidence filed after final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

9. ☐ The affidavit or other evidence filed after the date of filing the Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.

12. ☐ Note the attached Information *Disclosure Statement*(s). (PTO/SB/08) Paper No(s). _____

13. ☐ Other: _____.

STATUS OF CLAIMS

14. The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: .

Claim(s) objected to: .

Claim(s) rejected: 1, 3 - 8.

Claim(s) withdrawn from consideration: .

/Camquy Truong/
Primary Examiner, Art Unit 2196

Do Not Enter - /C.S./

RESPONSE UNDER 37 CFR 1.116
EXPEDITED PROCEDURE
GROUP ART UNIT 2196

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	Docket No.: P4101US00
Seul Ki CHOI, *et. al.*	
Serial No.: 11/495,863	Group Art Unit: 2196
Confirmation No.: 3379	
Filed: July 28, 2006	Examiner: SWIFT, CHARLES M

For: **METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL**

Mail Stop: AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY AND AMENDMENT UNDER 37 C.F.R. § 1.116

Sir:

In response to the Final Office Action dated March 28, 2013 ("Office Action"), Applicants respectfully request reconsideration of the application in view of the following Amendments and Remarks.

Amendments to the Claims begin on page 2.

Remarks begin on page 5.

No extensions of time are required at this time. If extensions of time are necessary to prevent abandonment of this application, then they are petitioned for under 37 C.F.R. § 1.136(a). No fees for net addition of claims are required at this time. Any fees required for extensions of time or for the net addition of claims may be charged to our Deposit Account No. 50-3698.

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	11495863	Filing Date	2006-07-28	Docket Number (if applicable)	P4101US00	Art Unit	2196
First Named Inventor	Seul Ki CHOI			Examiner Name	SWIFT, CHARLES M		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☒ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

☐ Other _____

☐ Enclosed

☐ Amendment/Reply

☐ Information Disclosure Statement (IDS)

☐ Affidavit(s)/ Declaration(s)

☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____
(Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

☒ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**
The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 503698

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/sok k. hong/	Date (YYYY-MM-DD)	2013-06-24
Name	Sok K. Hong	Registration Number	64719

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	11495863
Filing Date:	28-Jul-2006
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Filer:	Hae-Chan Park/Cali Leach
Attorney Docket Number:	P4101US00
Filed as Large Entity	

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
RCE - 2nd and Subsequent Request	1820	1	1700	1700
		Total in USD ($)		**1700**

Electronic Acknowledgement Receipt	
EFS ID:	16131782
Application Number:	11495863
International Application Number:	
Confirmation Number:	3379
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Customer Number:	58027
Filer:	Hae-Chan Park/Sok Hong
Filer Authorized By:	Hae-Chan Park
Attorney Docket Number:	P4101US00
Receipt Date:	24-JUN-2013
Filing Date:	28-JUL-2006
Time Stamp:	15:16:17
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$1700
RAM confirmation Number	1879
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1	Request for Continued Examination (RCE)	P4101US00_RCE_flat.pdf	76704 17288b5005f8df616cac33feeb4581bf13eacff3	no	3
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30166 dbb62c897342d0f8ad1faaecacf5d9fce5d0b270	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	106870		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 11/495,863	Filing Date 07/28/2006	☐ To be Mailed

ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☒ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	**300**
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	**300**

APPLICATION AS AMENDED – PART II

AMENDMENT	06/24/2013	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 7	Minus	** 20	= 0	X $80 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	***3	= 0	X $420 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	**0**

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
/TAMMY MCBETH BROWN/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/495,863	07/28/2006	Seul Ki Choi	P4101US00	3379

58027 7590 07/09/2013

H.C. PARK & ASSOCIATES, PLC
1894 PRESTON WHITE DRIVE
RESTON, VA 20191

EXAMINER	
SWIFT, CHARLES M	

ART UNIT	PAPER NUMBER
2196	

NOTIFICATION DATE	DELIVERY MODE
07/09/2013	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATENT@PARK-LAW.COM

Applicant-Initiated Interview Summary	Application No.	Applicant(s)	
	11/495,863	CHOI ET AL.	
	Examiner	Art Unit	
	CHARLES SWIFT	2196	

All participants (applicant, applicant's representative, PTO personnel):

(1) *CHARLES SWIFT*. (3)_____.

(2) *Sok Hong (64719)*. (4)_____.

Date of Interview: *02 July 2013*.

Type: ☒ Telephonic ☐ Video Conference
☐ Personal [copy given to: ☐ applicant ☐ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☐ No.
If Yes, brief description: _____.

Issues Discussed ☐101 ☐112 ☒102 ☐103 ☐Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: *1*.

Identification of prior art discussed: *Kokubo*.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Applicant called to discuss the amendment to the claimes filed on 6/24/2013, explained that the amendment seeks to differentiate the instant application from cited prior art such that the icons for other processes are overlaying the screen of the first process, shown in figure 5A and 5B. Agreed that the amendment would overcome prior art cited but further search is needed to determine patentability..

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/Charles M Swift/ Examiner, Art Unit 2196	

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews
Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:
- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:
1) A brief description of the nature of any exhibit shown or any demonstration conducted,
2) an identification of the claims discussed,
3) an identification of the specific prior art discussed,
4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
5) a brief identification of the general thrust of the principal arguments presented to the examiner,
   (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
6) a general indication of any other pertinent matters discussed, and
7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/495,863	07/28/2006	Seul Ki Choi	P4101US00	3379

58027 7590 07/10/2013

H.C. PARK & ASSOCIATES, PLC
1894 PRESTON WHITE DRIVE
RESTON, VA 20191

EXAMINER	
SWIFT, CHARLES M	

ART UNIT	PAPER NUMBER
2196	

NOTIFICATION DATE	DELIVERY MODE
07/10/2013	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATENT@PARK-LAW.COM

Office Action Summary	Application No. 11/495,863	Applicant(s) CHOI ET AL.	
	Examiner CHARLES SWIFT	Art Unit 2196	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *24 June 2013*.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

5)☒ Claim(s) *1 and 3 - 8* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1 and 3 - 8* is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a)☐ All b)☐ Some * c)☐ None of the:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

4) ☐ Other: _____.

DETAILED ACTION

1. This office action is in response to RCE filed on 6/24/2013.

2. Claims 1 and 4 are amended.

3. Claims 1 and 3 – 8 are pending.

Continued Examination Under 37 CFR 1.114

4. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 6/24/2013 has been entered.

Claim Rejections - 35 USC § 103

5. The following is a quotation of pre-AIA 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. Claims **1 and 3 – 8** are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over **Kokubo (USPAT 7123945)**, in view of **Krikorian et al (US 20070003224, hereinafter Krikorian)**.

As per claim 1, Kokubo discloses: A method for selecting a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process **(Kokubo col 13, lines 23 – 24: the portable telephone is receiving a phone call)**, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal **(Kokubo col 13, 24 – 30: a predetermined operation is performed with the input/call key 162 or the operation keys 164 of the operation unit 160 to thereby switch from the main display unit 122 to the sub-display unit 142)**, wherein sequentially displaying icons comprises [displaying] the icons corresponding to active work process in order of the work process performed **(Kokubo figure 12: the sub-display unit 142, especially the lower row contains icons of the active processes of the phone in sequential order)**;

inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process; **(Kokubo col 10, lines 24-35 & Fig. 8B-8C: scrolls to desired icon (A) and selects it; col 13, lines 33-39 & Fig. 12: for example selects the "i" icon; col 7, lines 50 – 56: the pointer type icon can restore and display the corresponding task on the main display, thus making it possible to select other active tasks icons on the sub-display unit 142.)**

and performing, concurrently, the first work process and the second work process in response to the second command. **(Kokubo col 13, lines 33-39: internet**

process and phone call concurrent; or col 14, 17-22: music reproduction is also ongoing)

Kokubo did not disclose:

wherein [displaying] the icon comprises overlaying the icon over a screen corresponding to the first work process;

However, Krikorian teaches:

wherein [displaying] the icon comprises overlaying the icon over a screen corresponding to the first work process; **(Krikorian figure 2 and [0022]: the active areas 210 that runs application is mapped to the claimed screen corresponding to the first work process, the media player window 220 is mapped to the claimed icon overlaying the screen.)**

It would have been obvious for one of ordinary skill in the art at the time of invention to incorporate the teaching of Krikorian into that of Kokubo in order to have the displaying of the icon comprises overlaying the icon over a screen corresponding to the first work process. Kokubo figure 14 shows that the active screen for the current application and the secondary displaying are showing icons of the other minimized concurrent task may occupy a single display area by having the display area (or screen) divided into portions, so that the icons and the active application appear next to each other on a same screen. Krikorian figure 2 shows that having one display area overlaying the primary display area can be an alternative to just displaying the two area adjacent to each other, thus applicant have merely claimed the combination of what is commonly

known in the field of GUI to achieve predictable results and is deemed obvious under 35 USC 103.

As per claim 3, Kokubo and Krikorian further teach:

The method of claim 1, wherein a screen image of the selected second work process and an icon corresponding to the first work process are displayed together. **(Kokubo Fig. 12: sub-display 142 with busy icon - representing phone call process - while internet process is on main screen 122; col 13, lines 19-23)**

As per claim 4, Kokubo discloses: A method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process **(Kokubo col 13, lines 23 – 24: the portable telephone is receiving a phone call)**, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal **(Kokubo col 13, 24 – 30: a predetermined operation is performed with the input/call key 162 or the operation keys 164 of the operation unit 160 to thereby switch from the main display unit 122 to the sub-display unit 142)**, wherein sequentially displaying icons comprises [displaying] the icons corresponding to active work process in order of the work process performed **(Kokubo figure 12: the sub-**

display unit 142, especially the lower row contains icons of the active processes of the phone in sequential order);

inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process; **(Kokubo col 10, lines 24-35 & Fig. 8B-8C: scrolls to desired icon (A) and selects it; col 13, lines 33-39 & Fig. 12: for example selects the "i" icon; col 7, lines 50 – 56: the pointer type icon can restore and display the corresponding task on the main display, thus making it possible to select other active tasks icons on the sub-display unit 142.)**

Kokubo did not disclose:

wherein [displaying] the icon comprises overlaying the icon over a screen corresponding to the first work process;

inputting a third command for activating a pop-up menu for controlling a predetermined function of the second work process;

and inputting a fourth command for controlling the predetermined function of the second work process through the activated pop-up menu.

.

However, Krikorian teaches:

wherein [displaying] the icon comprises overlaying the icon over a screen corresponding to the first work process; **(Krikorian figure 2 and [0022]: the active areas 210 that runs application is mapped to the claimed screen corresponding to**

the first work process, the media player window 220 is mapped to the claimed icon overlaying the screen.)

inputting a third command for activating a pop-up menu for controlling a predetermined function of the second work process; **(Krikorian figure 3 and [0023]: media player can be docked by the user to form a sidebar, the sidebar shown in figure 3 allows the user to controls the media being played.)**

and inputting a fourth command for controlling the predetermined function of the second work process through the activated pop-up menu. **(Krikorian figure 3 and [0024]: docked media player can become a sidebar that allows user to control the media being played.)**

It would have been obvious for one of ordinary skill in the art at the time of invention to incorporate the teaching of Krikorian into that of Kokubo in order to have the displaying of the icon comprises overlaying the icon over a screen corresponding to the first work process, activate a menu to control the second work process . Kokubo figure 14 shows that the active screen for the current application and the secondary displaying are showing icons of the other minimized concurrent task may occupy a single display area by having the display area (or screen) divided into portions, so that the icons and the active application appear next to each other on a same screen. Krikorian figure 2 shows that having one display area overlaying the primary display area can be an alternative to just displaying the two area adjacent to each other, thus applicant have merely claimed the combination of what is commonly known in the field of GUI to achieve predictable results and is deemed obvious under 35 USC 103.

As per claim 5, Kokubo and Krikorian further teach:

The method of claim 4, wherein the controlling the predetermined function of the second work process comprises: generating a control signal for controlling the predetermined function of the second work process in response to the fourth command; and controlling the predetermined function of the second work process in response to the generated control signal. **(Krikorian [0022]: user may issue commands to adjust the received video command through the controls on the media player.)**

As per claim 6, Kokubo and Krikorian further teach:

The method of claim 4, further comprising: inputting a fifth command for deactivating the activated pop-up menu; and deactivating the activated pop-up menu in response to the fifth command. **(Krikorian [0023]: user can issue command to undock the media player, turning into the overlaying format shown on figure 2.)**

As per claim 7, Kokubo and Krikorian further teach:

The method of claim 6, wherein the third command and the fifth command are inputted through an identical key of the mobile terminal. **(Krikorian [0027]: selecting by clicking.)**

As per claim 8, Kokubo and Krikorian further teach:

The method of claim 6, wherein the second work process is an mp3 play process. **(Krikorian [0032]: mp3 player.)**

Response to Arguments

7. Applicant's arguments with respect to claims 1 and 3 – 8 have been considered but are moot because the arguments do not apply to any of the references being used in the current rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHARLES SWIFT whose telephone number is (571)270-7756. The examiner can normally be reached on Monday through Thursday, 9:00AM to 6:00PM, Friday 10:30AM - 3:30PM, Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emerson Puente can be reached on (571)272-3652. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Charles M Swift/
Examiner, Art Unit 2196

Notice of References Cited	Application/Control No. 11/495,863	Applicant(s)/Patent Under Reexamination CHOI ET AL.	
	Examiner CHARLES SWIFT	Art Unit 2196	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2007/0003224	01-2007	Krikorian et al.	386/095
*	B	US-5,859,639	01-1999	Ebrahim, Peter Agha	715/788
*	C	US-5,075,675	12-1991	Barker et al.	715/794
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11495863	CHOI ET AL.
	Examiner	**Art Unit**
	CHARLES SWIFT	2196

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	08/23/2010	03/10/2011	10/16/2012	03/22/2013	07/05/2013				
	1	✓	✓	✓	✓	✓				
	2	✓	-	-	-	-				
	3	✓	✓	✓	✓	✓				
	4	✓	✓	✓	✓	✓				
	5	✓	✓	✓	✓	✓				
	6	✓	✓	✓	✓	✓				
	7	✓	✓	✓	✓	✓				
	8	✓	✓	✓	✓	✓				

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11495863	CHOI ET AL.
	Examiner	Art Unit
	CHARLES SWIFT	2196

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
718	100	10/16/2012	CS

SEARCH NOTES		
Search Notes	Date	Examiner
Inventor search in PALM	8/23/10	NK
Keyword search in EAST, see attached	8/23/10	NK
Subclasses 715/808 & 810 limited by keyword in EAST, see attached	3/10/11	NK
Keyword search in EAST, see attached	3/10/11	NK
NPL search in Google, see attached results	3/10/11	NK
Patent search in EAST and Google	10/16/2012	CS
NPL search in IEEE, ACM and Google	10/16/2012	CS
Limited text search in class 718/100	10/16/2012	CS
Double patenting search	10/16/2012	CS
Searched EAST and Google for patents	7/3/2013	CS
NPL search on IEEE, ACM and Google	7/3/2013	CS
Consulted Tadesse Hailu (AU 9173) for search help	7/3/2013	CS
Limited search on class 715/(750-760), see search queries attached	7/5/2013	CS
Double patenting search	7/5/2013	CS

INTERFERENCE SEARCH

/CHARLES SWIFT/ Examiner.Art Unit 2196	

US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

/CHARLES SWIFT/ Examiner.Art Unit 2196	

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6681	715/750-760.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:34
L2	24592	multitask$3 concurrent$2 near2 task$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:34
L3	24592	multitask$3 (concurrent$2 near2 task$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:35
L4	24592	multitask$3 (concurrent$2 near2 task$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:35
L5	2	4 and ((dialog (pop$1up near3 menu) icon) with (overla$4 superimpos$3) with (active) with (application module email SMS music))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:36
L6	2	5 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:37
L7	40426	multi$1task$3 (concurrent$2 near2 task$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 11:16
L8	4	7 and ((dialog (pop$1up near3 menu) icon) with (overla$4 superimpos$3) with (active) with (application module email SMS music))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 11:16
L9	3	8 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 11:17
S1	2	"7123945".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 11:50
S2	146	sequential$2 with (display$3 show$3) with icon with order	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:39
S3	29	S2 and (mobile near3 device)	US-PGPUB; USPAT; EPO; JPO;	OR	ON	2012/10/16 12:39

			DERWENT			
S4	5	S3 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:39
S5	228	sequential$2 with (display$3 show$3) with ((icon symbol) near5 (work process)) with order	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
S6	23	S5 and (mobile near3 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
S7	0	S6 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
S8	6	S5 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
S9	536	(display$3 show$3) with ((icon symbol) near5 (work process)) with order	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:46
S10	789	(display$3 show$3) with ((icon symbol) near5 (work process)) with (order sequen$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:46
S11	40	S2 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47
S12	594990	11and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47
S13	97	S10 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47
S14	30	S13 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47
S15	171	S9 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:55
S16	163	S15 not S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:55
S17	2	S16 and "455".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:55
S18	544	(display$3 show$3) with ((icon	US-PGPUB;	OR	ON	2012/10/16

		symbol) near5 (work process)) with order$3	USPAT; EPO; JPO; DERWENT			13:34
S19	176	S18 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:35
S20	5	S19 not S15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:35
S21	34	(display$3 show$3) with ((icon symbol) near5 (work process)) with order$3 with arrang$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:36
S22	8	(display$3 show$3) with ((icon symbol) near5 (work process)) with order$3 with priority	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:36
S23	1	S22 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:37
S24	633	(arrang$3 display$3 show$3) with ((icon symbol) near5 (work process)) with (order$3 priority)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:42
S25	211	S24 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:42
S26	33	S25 and ("718" "715" "709").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:42
S27	0	S26 and (mobile adj3 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:43
S28	0	S26 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:43
S29	11	S25 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:43
S30	35	(arrang$3) with (display$3 show$3) with ((icon symbol) near5 (work process)) with (order$3 priority)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:48
S31	16	S30 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:48
S32	2	"20020080186"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 14:13

S33	0	(arrang$3) with (display$3 show$3) with ((icon symbol) near5 (work process)) with (order$3 priority) with (active current)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/02/22 17:05
S34	0	(input$4 enter$4) with (command) with (display$3 show$3) with icon with (active near5 (process))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:30
S35	0	(command) with (display$3 show$3) with icon with (active near5 (process))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:30
S36	4	(command) with (display$3 show$3) with icon with (active near5 (program task process))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:31
S37	2	S36 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:31
S38	0	command$3 with (generat$3 creat$3) with (list) with icon with (active near4 (process program task))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:34
S39	2	(generat$3 creat$3) with (list) with icon with (active near4 (process program task))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:35
S40	2	S39 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:35
S41	15	("7123945").URPN.	USPAT	OR	ON	2013/03/22 17:37
S42	2	S41 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:37
S43	12	("20010016508" "20020002060" "20020077156" "20030013483" "20030045315" "20030232628").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:40
S44	24	(icon indicator) with overlay$3 with (current near3 (process screen))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:18
S45	21	S44 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:19
S46	9112	switch$3 with active with (application software interface)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:21
S47	9214	switch$3 with active with (application software interface GUI UI)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:21

S48	5674	S47 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:21
S49	1115	sequential$2 with (display$3 show$3) with icon	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:22
S50	3620	sequential$2 with (display$3 show$3) with (symbol icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:22
S51	2	S48 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:22
S52	515	S48 and (mobile near3 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:22
S53	8	US-20030013483-$.DID. OR US-7123945-$.DID. OR US-20060247851-$.DID. OR US-7222304-$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:25
S54	7084	concurrent$3 with (task process job) and (mobile near5 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 16:12
S55	92	S47 and S54	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 16:12
S56	43	S55 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 16:12
S57	8	US-20020080186-$.DID. OR US-20030011638-$.DID. OR US-6546263-$.DID. OR US-20050086611-$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2013/07/02 16:16
S58	7	"11294231"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 17:05
S59	21	overlay$3 with (notif$7 near3 icon) with application	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:09
S60	2	S59 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:10
S61	30	overlay$3 with (notif$7 near3 icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:10
S62	3	S61 and (@rlad<"20050811"	US-PGPUB;	OR	ON	2013/07/03

		@pd<"20050811" @ad<"20050811")	USPAT; EPO; JPO; DERWENT			11:10
S63	241	overlay$3 with display$3 with icon with (application program)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:36
S64	153	S63 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:36
S65	37	S64 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 12:00

EAST Search History (Interference)

<This search history is empty>

7/5/2013 11:21:04 AM
C:\Users\cswift\Documents\EAST\Workspaces\EAST 11495863.wsp

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	Docket No.: P4101US00
Seul Ki CHOI, *et al.*	
Serial No.: 11/495,863	Group Art Unit: 2196
Confirmation No.: 3379	
Filed: July 28, 2006	Examiner: SWIFT, CHARLES M

For: **METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL**

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY UNDER 37 C.F.R. § 1.111

Sir:

In response to the Non-Final Office Action dated July 10, 2013 ("Office Action"), Applicants respectfully request reconsideration of the application in view of the following Amendments and Remarks.

Amendments to the Claims begin on page 2.

Remarks begin on page 5.

No extensions of time are required at this time. If extensions of time are necessary to prevent abandonment of this application, then they are petitioned for under 37 C.F.R. § 1.136(a). Any fees required for extensions of time or for the net addition of claims may be charged to our Deposit Account No. 50-3698.

AMENDMENTS TO THE CLAIMS

Please **AMEND** claims 1 and 4 as shown below.

This claim list replaces all prior claim lists in the application.

1. (Currently Amended) A method for selecting a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal, wherein sequentially displaying icons comprises overlaying the icons corresponding to active work processes in order of the work process performed over a screen corresponding to the first work process;

inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process; and

performing, concurrently, the first work process and the second work process in response to the second command,

wherein the sequentially displayed icons are displayed brighter than the screen corresponding to the first work process.

2. (Canceled)

3. (Previously Presented) The method of claim 1, wherein a screen image of the selected second work process and an icon corresponding to the first work process are displayed

together.

4. (Currently Amended) A method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal, wherein sequentially displaying icons comprises overlaying the icons corresponding to active work processes in order of the work process performed over a screen corresponding to the first work process;

inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process;

inputting a third command for activating a pop-up menu for controlling a predetermined function of the second work process; and

inputting a fourth command for controlling the predetermined function of the second work process through the activated pop-up menu,

wherein the sequentially displayed icons and the pop-up menu are displayed brighter than the screen corresponding to the first work process.

5. (Previously Presented) The method of claim 4, wherein the controlling the predetermined function of the second work process comprises:

generating a control signal for controlling the predetermined function of the second work process in response to the fourth command; and

controlling the predetermined function of the second work process in response to the

generated control signal.

6. (Previously Presented) The method of claim 4, further comprising:

inputting a fifth command for deactivating the activated pop-up menu; and

deactivating the activated pop-up menu in response to the fifth command.

7. (Previously Presented) The method of claim 6, wherein the third command and the fifth command are inputted through an identical key of the mobile terminal.

8. (Original) The method of claim 6, wherein the second work process is an MP3 play process.

REMARKS

Claims 1 and 4 have been amended. Accordingly, claims 1 and 3-8 are currently pending in the application, of which claims 1 and 4 are independent.

Applicants respectfully submit that the above amendments do not add new matter to the application and are fully supported by the specification. Support for the amendments may be found at least in paragraphs [0044]-[0046] of the specification.

In view of the above amendments and the following Remarks, Applicants respectfully request reconsideration and timely withdrawal of the pending rejections for the reasons discussed below.

Interview Summary

Applicants thank the Examiner for the courtesies extended during the interview of July 2, 2013. During the interview of July 2, 2013, Applicants' representative discussed the pending rejections. No agreement was reached.

Rejections Under 35 U.S.C. § 103

To establish an obviousness rejection under 35 U.S.C. § 103(a), four factual inquiries must be examined. The four factual inquiries include (a) determining the scope and contents of the prior art; (b) ascertaining the differences between the prior art and the claims in issue; (c) resolving the level of ordinary skill in the pertinent art; and (d) evaluating evidence of secondary consideration. *Graham v. John Deere*, 383 U.S. 1, 17-18 (1966).

In view of these four factors, the analysis supporting a rejection under 35 U.S.C. 103(a) should be made explicit, and should "identify a reason that would have prompted a person of

ordinary skill in the relevant field to combine the [prior art] elements" in the manner claimed. *KSR Int'l. Co. v. Teleflex, Inc.*, 127 S. Ct. 1727, 82 USPQ2d 1385, 1396 (2007). The Federal Circuit requires that "rejections on obviousness cannot be sustained with mere conclusory statements; instead, there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness." *In re Kahn*, 441 F.3d 977, 988, 78 USPQ2d 1329, 1336 (Fed. Cir. 2006).

Finally, even if the prior art may be combined, there must be a reasonable expectation of success, and the reference or references, when combined, must disclose or suggest every claimed feature. *See in re Vaeck*, 947 F.2d 488, 20 USPQ2d 1438 (Fed. Cir. 1991).

Claims 1 and 3-8 stand rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over U.S. Patent No. 7,123,945, issued to Kokubo ("Kokubo") in view of U.S. Patent Application Publication No. 2007/0003224, applied for by Krikorian, *et al*. ("Krikorian").

Applicants have amended claim 1 to include a feature rendering this rejection moot. In particular, claim 1 has been amended to recite, *inter alia*:

wherein the sequentially displayed icons are displayed brighter than the screen corresponding to the first work process

Neither Kokubu nor Krikorian disclose or suggest the above feature of claim 1, whether alone or in combination.

Similarly, Applicants have amended claim 4 to include a feature rendering this rejection moot. In particular, claim 4 has been amended to recite, *inter alia*:

wherein the sequentially displayed icons and the pop-up menu are displayed brighter than the screen corresponding to the first work process

Neither Kokubu nor Krikorian disclose or suggest the above feature of claim 4, whether alone or in combination.

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. § 103(a) rejection of claims 1 and 4. Claims 3 and 5-8 depend from one of claims 1 and 4, and are allowable at least for this reason. Since none of the other prior art of record, whether taken alone or in any combination, discloses or suggests all the features of the claimed invention, Applicants respectfully submit that independent claims 1 and 4, and all the claims that depend therefrom, are allowable.

CONCLUSION

A full and complete response has been made to the pending Office Action, and all of the grounds for rejection have been overcome or rendered moot. Accordingly, all pending claims are allowable, and the application is in condition for allowance.

The Examiner is invited to contact Applicants' undersigned representative at the number below if it would expedite prosecution. Prompt and favorable consideration of this Reply is respectfully requested.

Respectfully submitted,

/Sok K. Hong/

Sok K. Hong
Reg. No. 64,719

Date: October 8, 2013

CUSTOMER NUMBER: 58027
H.C. Park & Associates, PLC
1894 Preston White Drive
Reston, VA 20191
Tel: 703-288-5105
Fax: 703-288-5139
HCP/YSK/eyj

Electronic Acknowledgement Receipt	
EFS ID:	17068789
Application Number:	11495863
International Application Number:	
Confirmation Number:	3379
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Customer Number:	58027
Filer:	Hae-Chan Park/Sok Hong
Filer Authorized By:	Hae-Chan Park
Attorney Docket Number:	P4101US00
Receipt Date:	08-OCT-2013
Filing Date:	28-JUL-2006
Time Stamp:	15:02:39
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		P4101US00-Reply.pdf	44535 6385310badd5eb9e2706a1f377e1de8f801557df	yes	8

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Claims	2	4
	Applicant Arguments/Remarks Made in an Amendment	5	8
Warnings:			
Information:			
	Total Files Size (in bytes):	44535	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 11/495,863	Filing Date 07/28/2006	☐ To be Mailed

ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 = *		X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 = *		X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	10/08/2013	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 7	Minus	** 20	= 0	X $80 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	***3	= 0	X $420 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	**0**

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
/KAREN VESTAL/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/495,863	07/28/2006	Seul Ki Choi	P4101US00	3379

58027 7590 12/04/2013

H.C. PARK & ASSOCIATES, PLC
1894 PRESTON WHITE DRIVE
RESTON, VA 20191

EXAMINER	
SWIFT, CHARLES M	
ART UNIT	**PAPER NUMBER**
2196	

NOTIFICATION DATE	DELIVERY MODE
12/04/2013	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATENT@PARK-LAW.COM

Office Action Summary	Application No. 11/495,863	Applicant(s) CHOI ET AL.	
	Examiner CHARLES SWIFT	Art Unit 2196	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *10/8/2013*.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5)☒ Claim(s) *1 and 3 - 8* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1 and 3 - 8* is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

4) ☐ Other: _____.

1. The present application is being examined under the pre-AIA first to invent provisions.

DETAILED ACTION

2. This office action is in view of amendment file on 10/8/2013,

3. Claims 1 and 4 are amended.

4. Claims 1 and 3 – 8 are pending.

Claim Rejections - 35 USC § 103

5. The following is a quotation of pre-AIA 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. Claims **1 and 3 – 8** are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over **Kokubo (USPAT 7123945)**, in view of **Krikorian et al (US 20070003224, hereinafter Krikorian**, and further in view of **McKeon et al (US 20040229200, hereinafter McKeon)**.

As per claim 1, Kokubo discloses: A method for selecting a second work process during

a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process **(Kokubo col 13, lines 23 – 24: the portable telephone is receiving a phone call)**, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal **(Kokubo col 13, 24 – 30: a predetermined operation is performed with the input/call key 162 or the operation keys 164 of the operation unit 160 to thereby switch from the main display unit 122 to the sub-display unit 142)**, wherein sequentially displaying icons comprises [displaying] the icons corresponding to active work process in order of the work process performed **(Kokubo figure 12: the sub-display unit 142, especially the lower row contains icons of the active processes of the phone in sequential order)**;

inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process; **(Kokubo col 10, lines 24-35 & Fig. 8B-8C: scrolls to desired icon (A) and selects it; col 13, lines 33-39 & Fig. 12: for example selects the "i" icon; col 7, lines 50 – 56: the pointer type icon can restore and display the corresponding task on the main display, thus making it possible to select other active tasks icons on the sub-display unit 142.)**

and performing, concurrently, the first work process and the second work process in response to the second command, **(Kokubo col 13, lines 33-39: internet process and phone call concurrent; or col 14, 17-22: music reproduction is also**

ongoing)

Kokubo did not disclose:

wherein [displaying] the icon comprises overlaying the icon over a screen corresponding to the first work process;

wherein the sequentially displayed icons are displayed brighter than the screen corresponding to the first work process.

However, Krikorian teaches:

wherein [displaying] the icon comprises overlaying the icon over a screen corresponding to the first work process; **(Krikorian figure 2 and [0022]: the active areas 210 that runs application is mapped to the claimed screen corresponding to the first work process, the media player window 220 is mapped to the claimed icon overlaying the screen.)**

It would have been obvious for one of ordinary skill in the art at the time of invention to incorporate the teaching of Krikorian into that of Kokubo in order to have the displaying of the icon comprises overlaying the icon over a screen corresponding to the first work process. Kokubo figure 14 shows that the active screen for the current application and the secondary displaying are showing icons of the other minimized concurrent task may occupy a single display area by having the display area (or screen) divided into portions, so that the icons and the active application appear next to each other on a same screen. Krikorian figure 2 shows that having one display area overlaying the primary display area can be an alternative to just displaying the two area adjacent to each other, thus applicant have merely claimed the combination of what is commonly

known in the field of GUI to achieve predictable results and is deemed obvious under 35 USC 103.

McKeon teaches:

wherein the sequentially displayed icons are displayed brighter than the screen corresponding to the first work process. **(McKeon [0079]: soft focus event can be a flashing icon in the task bar for a background application that wants to gain focus; Note that the flashing icon would be brighter than the main screen.)**

It would have been obvious for one of ordinary skill in the art at the time of invention to incorporate the teaching of McKeon into that of Kokubo and Krikorian in order to have the sequentially displayed icons are displayed brighter than the screen corresponding to the first work process. McKeon [0079] shows that flashing the task icons is a common way to convey to the user that an event has occurred and attention is needed. Combination of the references would allow the user to input a command to bring up a list of icons of concurrent tasks and flashing the icons that were brought up in order to gain user's attention, allowing user to select an icon to bring a second task to the execution foreground. Combination of reference would result in a more intuitive GUI system for task switching and enhances the overall appeals of all references.

As per claim 3, Kokubo, Krikorian and McKeon further teach:

The method of claim 1, wherein a screen image of the selected second work process and an icon corresponding to the first work process are displayed together. **(Kokubo Fig. 12: sub-display 142 with busy icon - representing phone call process - while internet process is on main screen 122; col 13, lines 19-23)**

As per claim 4, Kokubo discloses: A method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process **(Kokubo col 13, lines 23 – 24: the portable telephone is receiving a phone call)**, inputting a first command for sequentially displaying icons in turn corresponding to respective work processes of the mobile terminal **(Kokubo col 13, 24 – 30: a predetermined operation is performed with the input/call key 162 or the operation keys 164 of the operation unit 160 to thereby switch from the main display unit 122 to the sub-display unit 142)**, wherein sequentially displaying icons comprises [displaying] the icons corresponding to active work process in order of the work process performed **(Kokubo figure 12: the sub-display unit 142, especially the lower row contains icons of the active processes of the phone in sequential order)**;

inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process; **(Kokubo col 10, lines 24-35 & Fig. 8B-8C: scrolls to desired icon (A) and selects it; col 13, lines 33-39 & Fig. 12: for example**

selects the "i" icon; col 7, lines 50 – 56: the pointer type icon can restore and display the corresponding task on the main display, thus making it possible to select other active tasks icons on the sub-display unit 142.)

Kokubo did not disclose:

wherein [displaying] the icon comprises overlaying the icon over a screen corresponding to the first work process;

inputting a third command for activating a pop-up menu for controlling a predetermined function of the second work process;

and inputting a fourth command for controlling the predetermined function of the second work process through the activated pop-up menu,

wherein the sequentially displayed icons are displayed brighter than the screen corresponding to the first work process.

However, Krikorian teaches:

wherein [displaying] the icon comprises overlaying the icon over a screen corresponding to the first work process; **(Krikorian figure 2 and [0022]: the active areas 210 that runs application is mapped to the claimed screen corresponding to the first work process, the media player window 220 is mapped to the claimed icon overlaying the screen.)**

inputting a third command for activating a pop-up menu for controlling a predetermined function of the second work process; **(Krikorian figure 3 and [0023]:**

media player can be docked by the user to form a sidebar, the sidebar shown in figure 3 allows the user to controls the media being played.)

and inputting a fourth command for controlling the predetermined function of the second work process through the activated pop-up menu. **(Krikorian figure 3 and [0024]: docked media player can become a sidebar that allows user to control the media being played.)**

It would have been obvious for one of ordinary skill in the art at the time of invention to incorporate the teaching of Krikorian into that of Kokubo in order to have the displaying of the icon comprises overlaying the icon over a screen corresponding to the first work process, activate a menu to control the second work process . Kokubo figure 14 shows that the active screen for the current application and the secondary displaying are showing icons of the other minimized concurrent task may occupy a single display area by having the display area (or screen) divided into portions, so that the icons and the active application appear next to each other on a same screen. Krikorian figure 2 shows that having one display area overlaying the primary display area can be an alternative to just displaying the two area adjacent to each other, thus applicant have merely claimed the combination of what is commonly known in the field of GUI to achieve predictable results and is deemed obvious under 35 USC 103.

McKeon teaches:

wherein the sequentially displayed icons are displayed brighter than the screen corresponding to the first work process. **(McKeon [0079]: soft focus event can be a flashing icon in the task bar for a background application that wants to gain focus; Note that the flashing icon would be brighter than the main screen.)**

It would have been obvious for one of ordinary skill in the art at the time of invention to incorporate the teaching of McKeon into that of Kokubo and Krikorian in order to have the sequentially displayed icons are displayed brighter than the screen corresponding to the first work process. McKeon [0079] shows that flashing the task icons is a common way to convey to the user that an event has occurred and attention is needed. Combination of the references would allow the user to input a command to bring up a list of icons of concurrent tasks and flashing the icons that were brought up in order to gain user's attention, allowing user to select an icon to bring a second task to the execution foreground. Combination of reference would result in a more intuitive GUI system for task switching and enhances the overall appeals of all references.

As per claim 5, Kokubo, Krikorian and McKeon further teach:

The method of claim 4, wherein the controlling the predetermined function of the second work process comprises: generating a control signal for controlling the predetermined function of the second work process in response to the fourth command; and controlling the predetermined function of the second work process in response to the generated control signal. **(Krikorian [0022]: user may issue commands to adjust**

the received video command through the controls on the media player.)

As per claim 6, Kokubo, Krikorian and McKeon further teach:

The method of claim 4, further comprising: inputting a fifth command for deactivating the activated pop-up menu; and deactivating the activated pop-up menu in response to the fifth command. **(Krikorian [0023]: user can issue command to undock the media player, turning into the overlaying format shown on figure 2.)**

As per claim 7, Kokubo, Krikorian and McKeon further teach:

The method of claim 6, wherein the third command and the fifth command are inputted through an identical key of the mobile terminal. **(Krikorian [0027]: selecting by clicking.)**

As per claim 8, Kokubo, Krikorian and McKeon further teach:

The method of claim 6, wherein the second work process is an mp3 play process. **(Krikorian [0032]: mp3 player.)**

Response to Arguments

7. Applicant's arguments with respect to claims 1 and 3 – 8 have been considered but are moot because the arguments do not apply to any of the references being used in the current rejection.

Conclusion

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHARLES SWIFT whose telephone number is (571)270-7756. The examiner can normally be reached on Monday through Thursday, 9:00AM to 6:00PM, Friday 10:30AM - 3:30PM, Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emerson Puente can be reached on (571)272-3652. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/CHARLES SWIFT/
Examiner, Art Unit 2196

Notice of References Cited	Application/Control No. 11/495,863	Applicant(s)/Patent Under Reexamination CHOI ET AL.	
	Examiner CHARLES SWIFT	Art Unit 2196	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2004/0229200	11-2004	McKeon et al.	434/350
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11495863	CHOI ET AL.
	Examiner	**Art Unit**
	CHARLES SWIFT	2196

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	08/23/2010	03/10/2011	10/16/2012	03/22/2013	07/05/2013	11/25/2013			
	1	✓	✓	✓	✓	✓	✓			
	2	✓	-	-	-	-	-			
	3	✓	✓	✓	✓	✓	✓			
	4	✓	✓	✓	✓	✓	✓			
	5	✓	✓	✓	✓	✓	✓			
	6	✓	✓	✓	✓	✓	✓			
	7	✓	✓	✓	✓	✓	✓			
	8	✓	✓	✓	✓	✓	✓			

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11495863	CHOI ET AL.
	Examiner	Art Unit
	CHARLES SWIFT	2196

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
718	100	10/16/2012	CS

SEARCH NOTES		
Search Notes	Date	Examiner
Inventor search in PALM	8/23/10	NK
Keyword search in EAST, see attached	8/23/10	NK
Subclasses 715/808 & 810 limited by keyword in EAST, see attached	3/10/11	NK
Keyword search in EAST, see attached	3/10/11	NK
NPL search in Google, see attached results	3/10/11	NK
Patent search in EAST and Google	10/16/2012	CS
NPL search in IEEE, ACM and Google	10/16/2012	CS
Limited text search in class 718/100	10/16/2012	CS
Double patenting search	10/16/2012	CS
Searched EAST and Google for patents	7/3/2013	CS
NPL search on IEEE, ACM and Google	7/3/2013	CS
Consulted Tadesse Hailu (AU 2173) for search help	7/3/2013	CS
Limited search on class 715/(750-760), see search queries attached	7/5/2013	CS
Double patenting search	7/5/2013	CS
Searched EAST and Google for patents	11/25/2013	CS
NPL search on IEEE, ACM and Google	11/25/2013	CS
Limited search on class 715/(750-760), see search queries attached	11/25/2013	CS
Double patenting search	11/25/2013	CS

/CHARLES SWIFT/ Examiner.Art Unit 2196	

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

/CHARLES SWIFT/ Examiner.Art Unit 2196	

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"7123945".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 11:50
S2	146	sequential$2 with (display$3 show$3) with icon with order	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:39
S3	29	S2 and (mobile near3 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:39
S4	5	S3 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:39
S5	228	sequential$2 with (display$3 show$3) with ((icon symbol) near5 (work process)) with order	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
S6	23	S5 and (mobile near3 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
S7	0	S6 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
S8	6	S5 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
S9	536	(display$3 show$3) with ((icon symbol) near5 (work process)) with order	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:46
S10	789	(display$3 show$3) with ((icon symbol) near5 (work process)) with (order sequen$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:46
S11	40	S2 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47
S12	594990	11and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47

S13	97	S10 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47
S14	30	S13 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47
S15	171	S9 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:55
S16	163	S15 not S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:55
S17	2	S16 and "455".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:55
S18	544	(display$3 show$3) with ((icon symbol) near5 (work process)) with order$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:34
S19	176	S18 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:35
S20	5	S19 not S15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:35
S21	34	(display$3 show$3) with ((icon symbol) near5 (work process)) with order$3 with arrang$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:36
S22	8	(display$3 show$3) with ((icon symbol) near5 (work process)) with order$3 with priority	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:36
S23	1	S22 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:37
S24	633	(arrang$3 display$3 show$3) with ((icon symbol) near5 (work process)) with (order$3 priority)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:42
S25	211	S24 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:42
S26	33	S25 and ("718" "715" "709").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:42
S27	0	S26 and (mobile adj3 device)	US-PGPUB; USPAT; EPO; JPO;	OR	ON	2012/10/16 13:43

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S28	0	S26 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:43
S29	11	S25 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:43
S30	35	(arrang$3) with (display$3 show$3) with ((icon symbol) near5 (work process)) with (order$3 priority)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:48
S31	16	S30 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:48
S32	2	"20020080186"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 14:13
S33	0	(arrang$3) with (display$3 show$3) with ((icon symbol) near5 (work process)) with (order$3 priority) with (active current)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/02/22 17:05
S34	0	(input$4 enter$4) with (command) with (display$3 show$3) with icon with (active near5 (process))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:30
S35	0	(command) with (display$3 show$3) with icon with (active near5 (process))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:30
S36	4	(command) with (display$3 show$3) with icon with (active near5 (program task process))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:31
S37	2	S36 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:31
S38	0	command$3 with (generat$3 creat$3) with (list) with icon with (active near4 (process program task))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:34
S39	2	(generat$3 creat$3) with (list) with icon with (active near4 (process program task))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:35
S40	2	S39 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:35
S41	15	("7123945").URPN.	USPAT	OR	ON	2013/03/22 17:37
S42	2	S41 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO;	OR	ON	2013/03/22 17:37

			DERWENT			
S43	12	("20010016508" "20020002060" "20020077156" "20030013483" "20030045315" "20030232628").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:40
S44	24	(icon indicator) with overlay$3 with (current near3 (process screen))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:18
S45	21	S44 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:19
S46	9112	switch$3 with active with (application software interface)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:21
S47	9214	switch$3 with active with (application software interface GUI UI)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:21
S48	5674	S47 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:21
S49	1115	sequential$2 with (display$3 show$3) with icon	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:22
S50	3620	sequential$2 with (display$3 show$3) with (symbol icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:22
S51	2	S48 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:22
S52	515	S48 and (mobile near3 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:22
S53	8	US-20030013483-$.DID. OR US-7123945-$.DID. OR US-20060247851-$.DID. OR US-7222304-$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:25
S54	7084	concurrent$3 with (task process job) and (mobile near5 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 16:12
S55	92	S47 and S54	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 16:12
S56	43	S55 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 16:12

S57	8	US-20020080186-$.DID. OR US-20030011638-$.DID. OR US-6546263-$.DID. OR US-20050086611-$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2013/07/02 16:16
S58	7	"11294231"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 17:05
S59	21	overlay$3 with (notif$7 near3 icon) with application	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:09
S60	2	S59 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:10
S61	30	overlay$3 with (notif$7 near3 icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:10
S62	3	S61 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:10
S63	241	overlay$3 with display$3 with icon with (application program)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:36
S64	153	S63 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:36
S65	37	S64 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 12:00
S66	6681	715/750-760.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:34
S67	24592	multitask$3 concurrent$2 near2 task$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:34
S68	24592	multitask$3 (concurrent$2 near2 task$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:35
S69	24592	multitask$3 (concurrent$2 near2 task$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:35
S70	2	S69 and ((dialog (pop$1up near3 menu) icon) with (overla$4 superimpos$3) with (active) with (application module email SMS music))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:36
S71	2	S70 and (@rlad<"20050811"	US-PGPUB;	OR	ON	2013/07/05

		@pd<"20050811" @ad<"20050811")	USPAT; EPO; JPO; DERWENT			10:37
S72	40426	multi$1task$3 (concurrent$2 near2 task$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 11:16
S73	4	S72 and ((dialog (pop$1up near3 menu) icon) with (overla$4 superimpos$3) with (active) with (application module email SMS music))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 11:16
S74	3	S73 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 11:17
S75	2	display$3 with (task process application sms email browser music mp3) near5 icon with brighter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 16:55
S76	0	S75 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 16:56
S77	0	highlight$3 with ((task process application sms email browser music mp3) near5 icon) with brighter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:04
S78	781	highlight$3 with ((task process application sms email browser music mp3) near5 icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:04
S79	52	highlight$3 with (concurrent parallel background) with ((task process application sms email browser music mp3) near5 icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:05
S80	28	S79 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:05
S81	30	"10872983"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:07
S82	30	"11308436"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:08
S83	1	"11495863"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:10
S84	5	display$3 with (pop$1up popup) with brighter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:11
S85	2	S84 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO;	OR	ON	2013/11/22 17:11

			DERWENT			
S86	63	(highlight$3 blink$3 flash$3) with (concurrent parallel background) with ((task process application sms email browser music mp3) near5 icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/25 13:45
S87	34	S86 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/25 13:47

EAST Search History (Interference)

< This search history is empty>

11/25/2013 3:26:31 PM
C:\Users\cswift\Documents\EAST\Workspaces\EAST 11495863.wsp

RESPONSE UNDER 37 CFR 1.116
EXPEDITED PROCEDURE
GROUP ART UNIT 2196

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	Docket No.: P4101US00
Seul Ki CHOI, *et. al.*	
Serial No.: 11/495,863	Group Art Unit: 2196
Confirmation No.: 3379	
Filed: July 28, 2006	Examiner: SWIFT, CHARLES M

For: **METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL**

Mail Stop: AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY UNDER 37 C.F.R. § 1.116

Sir:

In response to the Final Office Action dated December 4, 2013 ("Office Action"), Applicants respectfully request reconsideration of the application in view of the following Amendments and/or Remarks.

Amendments to the Claims begin on page 2.

Remarks begin on page 5.

No extensions of time are required at this time. If extensions of time are necessary to prevent abandonment of this application, then they are petitioned for under 37 C.F.R. § 1.136(a). No fees for net addition of claims are required at this time. Any fees required for extensions of time or for the net addition of claims may be charged to our Deposit Account No. 50-3698.

AMENDMENTS TO THE CLAIMS

Please **AMEND** claims 1 and 4 as shown below.

Please **ADD** new claims 9 and 10 as shown below.

This claim list replaces all prior claim lists in the application.

1. (Currently Amended) A method for selecting a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process, inputting a first command for sequentially displaying one or more icons at a time, in turn, corresponding to respective work processes of the mobile terminal, wherein sequentially displaying icons comprises overlaying the icons ~~corresponding to active work processes~~ in order of the work process performed over a screen corresponding to the first work process;

inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process; and

performing, concurrently, the first work process and the second work process in response to the second command,

wherein the sequentially displayed icons are displayed brighter than the screen corresponding to the first work process.

2. (Canceled)

3. (Previously Presented) The method of claim 1, wherein a screen image of the

selected second work process and an icon corresponding to the first work process are displayed together.

4. (Currently Amended) A method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process, inputting a first command for sequentially displaying one or more icons at a time, in turn, corresponding to respective work processes of the mobile terminal, wherein sequentially displaying icons comprises overlaying the icons ~~corresponding to active work processes~~ in order of the work process performed over a screen corresponding to the first work process;

inputting a second command for selecting one of the sequentially displayed icons corresponding to the second work process;

inputting a third command for activating a pop-up menu for controlling a predetermined function of the second work process; and

inputting a fourth command for controlling the predetermined function of the second work process through the activated pop-up menu,

wherein the sequentially displayed icons and the pop-up menu are displayed brighter than the screen corresponding to the first work process.

5. (Previously Presented) The method of claim 4, wherein the controlling the predetermined function of the second work process comprises:

generating a control signal for controlling the predetermined function of the second work process in response to the fourth command; and

controlling the predetermined function of the second work process in response to the generated control signal.

6. (Previously Presented) The method of claim 4, further comprising:

inputting a fifth command for deactivating the activated pop-up menu; and

deactivating the activated pop-up menu in response to the fifth command.

7. (Previously Presented) The method of claim 6, wherein the third command and the fifth command are inputted through an identical key of the mobile terminal.

8. (Original) The method of claim 6, wherein the second work process is an MP3 play process.

9. (New) The method of claim 1, wherein the first command and the second command are inputted through at least one of a predetermined key, a user's voice, and a motion of the mobile terminal.

10. (New) The method of claim 6, wherein the third command and the fifth command are inputted through at least one of a predetermined key, a user's voice, and a motion of the mobile terminal.

REMARKS

Claims 1 and 4 have been amended and new claims 9 and 10 have been added. Accordingly, claims 1 and 3-10 are currently pending in the application, of which claims 1 and 4 are independent.

Applicants respectfully submit that the above amendments and added claims do not add new matter to the application and are fully supported by the specification. Support for the amendments and added claims may be found at least in paragraphs [0025], [0034], [0035], and [0042] of the specification.

Entry of the Amendment is proper under 37 C.F.R. §1.116 because it (a) places the application in *prima facie* condition for allowance for the reasons discussed herein; (b) does not raise new issues requiring further search and/or consideration by the Examiner because similar subject matter was previously considered by the Examiner and thus further consideration and/or search by the Examiner is not warranted; and (c) places the application in better form for appeal, should an appeal be necessary. For at least these reasons, entry of the present Amendment is therefore respectfully requested. Accordingly, Applicants request reconsideration and timely withdrawal of the pending rejections for the reasons discussed below.

After-Final Consideration Pilot Program 2.0

Applicants respectfully assert that the above amendments are likely to lead to allowance and would require only limited additional consideration by the Examiner and that the above amendments include an amendment to at least one independent claim and the amendment does not broaden the scope of the independent claim in any aspect. Applicants are willing and available to participate in any interview requested by the Examiner concerning the present

response. Thus, even if the amendments are considered to raise new issues, Applicants respectfully request that the Examiner invoke the After-Final Consideration Pilot Program 2.0 and consider the amendments.

The After-Final Consideration Pilot Program 2.0 Form is submitted herewith.

Rejections Under 35 U.S.C. § 103

To establish an obviousness rejection under 35 U.S.C. § 103(a), four factual inquiries must be examined. The four factual inquiries include (a) determining the scope and contents of the prior art; (b) ascertaining the differences between the prior art and the claims in issue; (c) resolving the level of ordinary skill in the pertinent art; and (d) evaluating evidence of secondary consideration. *Graham v. John Deere*, 383 U.S. 1, 17-18 (1966).

In view of these four factors, the analysis supporting a rejection under 35 U.S.C. 103(a) should be made explicit, and should "identify a reason that would have prompted a person of ordinary skill in the relevant field to combine the [prior art] elements" in the manner claimed. *KSR Int'l. Co. v. Teleflex, Inc.*, 127 S. Ct. 1727, 82 USPQ2d 1385, 1396 (2007). The Federal Circuit requires that "rejections on obviousness cannot be sustained with mere conclusory statements; instead, there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness." *In re Kahn*, 441 F.3d 977, 988, 78 USPQ2d 1329, 1336 (Fed. Cir. 2006).

Finally, even if the prior art may be combined, there must be a reasonable expectation of success, and the reference or references, when combined, must disclose or suggest every claimed feature. *See in re Vaeck*, 947 F.2d 488, 20 USPQ2d 1438 (Fed. Cir. 1991).

Claims 1 and 3-8 stand rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over U.S. Patent No. 7,123,945, issued to Kokubo ("Kokubo") in view of U.S.

Patent Application Publication No. 2007/0003224, applied for by Krikorian, *et al.* ("Krikorian"), and further in view of U.S. Patent Application Publication No. 2004/0229200, applied for by McKeon, *et al.* ("McKeon").

Claim 1 has been amended to recite, *inter alia*:

while performing the first work process, inputting a first command for ***sequentially displaying one or more icons at a time, in turn,*** corresponding to respective work processes of the mobile terminal. (emphasis added).

Applicants respectfully submit that none of the cited art, whether taken alone or in combination, discloses or suggests at least the above- referenced features of claim 1. At page 3 of the Office Action, the Examiner cites to Kokubu to disclose inputting keys 162 or operation keys 164 to switch from a main display unit 122 to the sub-display unit 142. Kokubu, col. 13, lines 24-30. However, the switching from the main display unit 122 to the sub-display unit 142 in Kokubo does not disclose or suggest that the plural icons 10 are sequentially displayed in turn. For example, Kokubo, in Figs. 10-12, illustrates plural icons 10 displayed ***together*** in a sub-display 142. Kokubo further discloses that the sub-display unit can comprise a top row of always displayed pre-set icons 10a through 10e and a bottom row of icons corresponding to active application software displayed on the main display. Kokubo, col. 12, lines 49-58. As such, Kokubo fails to disclose "inputting a first command for ***sequentially displaying one or more icons at a time, in turn,*** corresponding to respective work processes of the mobile terminal," as recited in claim 1. (emphasis added). Further, neither Krikorian nor McKeon cure the deficiencies of Kokubo with respect to at least such features. Therefore, it is respectfully requested that this rejection be withdrawn and that claim 1 be allowed to issue.

Further, Applicants respectfully note that in the Non Final Office Action dated October 22, 2012, the Examiner cites to U.S. Patent Application Publication NO. 2003/0016251, applied for by Kondo ("Kondo") to disclose "wherein sequentially displaying icons comprises displaying the icons in order of the work process performed." Non Final Office Action, pages 3-4. Kondo

fails to disclose at least the above-described features as recited in amended claim 1 for at least the following reasons. Kondo discloses "a works-icon image plane display section for displaying on the display screen, upon receipt of designation of the consecutive works-icon by the pointing device, a works-icon image plane associated with the consecutive works-icon, in which ***a plurality of works-icons*** defining commands according to plural works constituting a series of works, is arranged in the same order as the working procedure of the series of works." Kondo, paragraph [0012] (emphasis added). For example, Kondo discloses "a tool bar on which ***ten sorts of icons*** are displayed with patterns that are symbolically representative of a plurality of execution commands which is high in frequency in use." *Id.* at paragraph [0121] (emphasis added). As illustrated in Fig. 9 of Kondo, from the left of the tool bar, a "new creation" icon, an "open a profile" icon, a "save a profile" icon, a "cancellation" icon, etc. are displayed. *See* Kondo, Fig. 9 and paragraph [0121]. As such, Kondo discloses ***a plurality of work-icons*** defining commands according to plural works being ***displayed together***, but is silent with regards to ***sequentially displaying one or more icons at a time, in turn***. Accordingly, Kondo fails to disclose at least "inputting a first command for ***sequentially displaying one or more icons at a time, in turn,*** corresponding to respective work processes of the mobile terminal," as recited in amended claim 1. (emphasis added). And, as described above, Kokubo, Krikorian, and McKeon also fail to disclose or suggest such features.

Claim 4 is allowable for the same reasons as noted above with reference to claim 1, as claim 4 similarly recites, *inter alia*:

while performing the first work process, inputting a first command for ***sequentially displaying one or more icons at a time, in turn,*** corresponding to respective work processes of the mobile terminal. (emphasis added).

In addition, in rejecting claim 1, the Office Action concedes that Kokubu and Krikorian, alone or in combination, fail to disclose "wherein the sequentially displayed icons are displayed brighter than the screen corresponding to the first work process," and cites to McKeon to

disclose this feature. Office Action, pages 4-5. Applicants respectfully disagree. McKeon discloses a soft focus event that appears on the desktop but stays in the background. McKeon, paragraph [0079]. For example, "a flashing icon in the task bar for a background application that wants to gain focus" can be a soft focus event. *Id*. As such, McKeon discloses an icon of a background application in the task bar ***flashing***, but is silent with regards to sequentially displayed icons displayed ***brighter*** than the screen corresponding to the first work process. Accordingly, McKeon fails to disclose "wherein the sequentially displayed icons are displayed brighter than the screen corresponding to the first work process," as recited in claim 1.

Further, in rejecting claim 1, the Examiner does not establish that the above features are disclosed in McKeon. Rather, the Examiner argues that "the flashing icon *would be* brighter than the main screen." Office Action, page 5 (emphasis added). However, the Examiner's reliance upon what "would be" shown in McKeon is not sufficient to disclose all features of claim 1. Further, to the extent the Examiner is relying upon an inherency theory in rejection of claim 1 based on McKeon, the rejection cannot be maintained since the Examiner has not shown the requisite inherency of this feature in McKeon. To establish inherency, the extrinsic evidence "must make clear that the missing descriptive matter is necessarily present in the thing described in the reference, and that it would be so recognized by persons of ordinary skill. *Inherency, however, may not be established by probabilities or possibilities*. The mere fact that a certain thing *may* result from a given set of circumstances is not sufficient." MPEP § 2112, citing *In re Robertson*, 169 F.3d 743 (emphasis added) (Fed. Cir. 1999); *see In re Rijckaert*, 9 F.3d 1531, 1534 (Fed. Cir. 1993) (explaining that the fact that a certain result or characteristic *may* occur or be present in the prior art is not sufficient to establish the inherency of that result or characteristic). However, in rejecting claim 1, the Examiner argues that "the flashing icon *would be* brighter than the main screen." Office Action, page 5 (emphasis added). Accordingly, the Examiner has not shown an objective basis or technical

reasoning to reasonably support that this feature necessarily exists in McKeon. As such, the rejection cannot be maintained as presented by the Examiner.

Claim 4 is allowable for the same reasons as noted above with reference to claim 1, as claim 4 similarly recites, *inter alia*:

wherein the sequentially displayed icons and the pop-up menu are ***displayed brighter*** than the screen corresponding to the first work process. (emphasis added).

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. § 103(a) rejection of claims 1 and 4. Claims 3 and 5-10 depend from one of claims 1 and 4, and are allowable at least for this reason. Since none of the other prior art of record, whether taken alone or in any combination, discloses or suggests all the features of the claimed invention, Applicants respectfully submit that independent claims 1 and 4, and all the claims that depend therefrom, are allowable.

Added Claims

Added claims 9 and 10 are directed to additional features of the invention, which are not disclosed or suggested in the art of record.

In particular, claim 9 recites:

The method of claim 1, wherein the first command and the second command are inputted through at least one of a ***predetermined key, a user's voice, and a motion*** of the mobile terminal. (emphasis added).

In rejecting claim 7, the Office Action cites to Krikorian to disclose "the third command and the fifth command are inputted through an identical key of the mobile terminal." Office Action, page 10. Applicants respectfully disagree. Krikorian discloses clicking on the edge of the media player sidebar and dragging it to the desired size on a computer desktop. *See* Krikorian, paragraph [0027]. As such, Krikorian discloses ***clicking the media player sidebar*** to resize it, but is silent with regards to ***inputting command*** through ***a key of the mobile***

terminal. Further, Krikorian is silent with regards to a command being inputted through a user's voice and a motion of the mobile terminal. Accordingly, Krikorian fails to disclose "the first command and the third command are inputted through at least one of a predetermined key, a user's voice, and a motion of the mobile terminal," as recited in added claim 9.

Similarly, Krikorian fails to disclose "the third command and the fifth command are inputted through at least one of a predetermined key, a user's voice, and a motion of the mobile terminal," as recited in added claim 10.

CONCLUSION

A full and complete response has been made to the pending Office Action, and all of the grounds for rejection have been overcome or rendered moot. Accordingly, all pending claims are allowable, and the application is in condition for allowance.

The Examiner is invited to contact Applicants' undersigned representative at the number below if it would expedite prosecution. Prompt and favorable consideration of this Reply is respectfully requested.

Respectfully submitted,

/Sok K. Hong/

Sok K. Hong
Reg. No. 64,719

Date: February 28, 2014

CUSTOMER NUMBER: 58027
H.C. Park & Associates, PLC
1894 Preston White Drive
Reston, VA 20191
Tel: 703-288-5105
Fax: 703-288-5139
HCP/YSK/gmp

Doc Code: A.NE.AFCP
Document Description: After Final Consideration Pilot Program Request

PTO/SB/434 (05-13)

CERTIFICATION AND REQUEST FOR CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0

Practitioner Docket No.:	Application No.:	Filing Date:
P4101US00	11/495,863	July 28, 2006
First Named Inventor:	**Title:**	
Seul Ki Choi	Method for selecting and controlling second work process ...	

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0 (AFCP 2.0) OF THE ACCOMPANYING RESPONSE UNDER 37 CFR 1.116.

1. The above-identified application is (i) an original utility, plant, or design nonprovisional application filed under 35 U.S.C. 111(a) [a continuing application (*e.g.*, a continuation or divisional application) is filed under 35 U.S.C. 111(a) and is eligible under (i)], or (ii) an international application that has entered the national stage in compliance with 35 U.S.C. 371(c).
2. The above-identified application contains an outstanding final rejection.
3. Submitted herewith is a response under 37 CFR 1.116 to the outstanding final rejection. The response includes an amendment to at least one independent claim, and the amendment does not broaden the scope of the independent claim in any aspect.
4. This certification and request for consideration under AFCP 2.0 is the only AFCP 2.0 certification and request filed in response to the outstanding final rejection.
5. Applicant is willing and available to participate in any interview requested by the examiner concerning the present response.
6. This certification and request is being filed electronically using the Office's electronic filing system (EFS-Web).
7. Any fees that would be necessary consistent with current practice concerning responses after final rejection under 37 CFR 1.116, *e.g.*, extension of time fees, are being concurrently filed herewith. [There is no additional fee required to request consideration under AFCP 2.0.]
8. By filing this certification and request, applicant acknowledges the following:

- Reissue applications and reexamination proceedings are not eligible to participate in AFCP 2.0.
- The examiner will verify that the AFCP 2.0 submission is compliant, *i.e.*, that the requirements of the program have been met (see items 1 to 7 above). For compliant submissions:
  - The examiner will review the response under 37 CFR 1.116 to determine if additional search and/or consideration (i) is necessitated by the amendment and (ii) could be completed within the time allotted under AFCP 2.0. If additional search and/or consideration is required but cannot be completed within the allotted time, the examiner will process the submission consistent with current practice concerning responses after final rejection under 37 CFR 1.116, *e.g.*, by mailing an advisory action.
  - If the examiner determines that the amendment does not necessitate additional search and/or consideration, or if the examiner determines that additional search and/or consideration is required and could be completed within the allotted time, then the examiner will consider whether the amendment places the application in condition for allowance (after completing the additional search and/or consideration, if required). If the examiner determines that the amendment does not place the application in condition for allowance, then the examiner will contact the applicant and request an interview.
    - The interview will be conducted by the examiner, and if the examiner does not have negotiation authority, a primary examiner and/or supervisory patent examiner will also participate.
    - If the applicant declines the interview, or if the interview cannot be scheduled within ten (10) calendar days from the date that the examiner first contacts the applicant, then the examiner will proceed consistent with current practice concerning responses after final rejection under 37 CFR 1.116.

Signature	Date
/Sok K. Hong/	February 28, 2014
Name (Print/Typed)	**Practitioner Registration No.**
Sok K. Hong	64,719

Note: *This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.*

☑ * Total of 1 forms are submitted.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt	
EFS ID:	18333886
Application Number:	11495863
International Application Number:	
Confirmation Number:	3379
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Customer Number:	58027
Filer:	Hae-Chan Park/Sok Hong
Filer Authorized By:	Hae-Chan Park
Attorney Docket Number:	P4101US00
Receipt Date:	28-FEB-2014
Filing Date:	28-JUL-2006
Time Stamp:	13:15:27
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		P4101US00-Reply.pdf	66305 68208617d78ea4ecc086a31420d160c11f4f5730	yes	12

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Response After Final Action	1	1
	Claims	2	4
	Applicant Arguments/Remarks Made in an Amendment	5	12

Warnings:					
Information:					
2	After Final Consideration Program Request	P4101US00-sb0434.pdf	226738 8893bebd2493c8e47c69a31a46d0cb2266a3725e	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	293043		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

<u>New Applications Under 35 U.S.C. 111</u>
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

<u>National Stage of an International Application under 35 U.S.C. 371</u>
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

<u>New International Application Filed with the USPTO as a Receiving Office</u>
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 11/495,863	Filing Date 07/28/2006	☐ To be Mailed

ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 = *		X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 = *		X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	02/28/2014	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 9	Minus	** 20	= 0	X $80 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	***3	= 0	X $420 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	**0**

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
/PAMELA YOUNG/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/495,863	07/28/2006	Seul Ki Choi	P4101US00	3379

58027 7590 03/21/2014

H.C. PARK & ASSOCIATES, PLC
1894 PRESTON WHITE DRIVE
RESTON, VA 20191

EXAMINER	
SWIFT, CHARLES M	

ART UNIT	PAPER NUMBER
2196	

NOTIFICATION DATE	DELIVERY MODE
03/21/2014	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATENT@PARK-LAW.COM

Examiner-Initiated Interview Summary	Application No. 11/495,863	Applicant(s) CHOI ET AL.	
	Examiner CHARLES SWIFT	Art Unit 2196	

All participants (applicant, applicant's representative, PTO personnel):

(1) *CHARLES SWIFT*. (3)_____.

(2) *Nathan Cristler (61736)*. (4)_____.

Date of Interview: *05 March 2014*.

Type: ☒ Telephonic ☐ Video Conference
☐ Personal [copy given to: ☐ applicant ☐ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☒ No.
If Yes, brief description: _____.

Issues Discussed ☐101 ☐112 ☐102 ☒103 ☐Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: *1 and 4*.

Identification of prior art discussed: _____.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Called applicant for interview regarding AFCP 2.0 request and the accompanying proposed amendmet. Made suggestion to applicant regarding further amendments to the claims that can overcome existing prior art rejection. No agreement on patentability was reached.

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/CHARLES SWIFT/ Examiner, Art Unit 2196	

1. The present application is being examined under the pre-AIA first to invent provisions.

DETAILED ACTION

2. Applicant's request for AFCP 2.0 consideration filed on 2/28/2014 is received by the office. However, the proposed amendment **DOES NOT** place application in condition for allowance based on the updated search conducted in view of the proposed amendment. Therefore, the response is being reviewed under pre-pilot practice. Brief search shows the following arts that can be used to reject the proposed amendment.

Holecek et al (US 20060161847), see figure 3 and [0046];

Hellyar et al (US 20030117440), see background [0004] and [0008];

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHARLES SWIFT whose telephone number is (571)270-7756. The examiner can normally be reached on Monday through Thursday, 9:00AM to 6:00PM, Friday 10:30AM - 3:30PM, Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emerson Puente can be reached on (571)272-3652. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/CHARLES SWIFT/
Examiner, Art Unit 2196

Advisory Action Before the Filing of an Appeal Brief	**Application No.** 11/495,863	**Applicant(s)** CHOI ET AL.	
	Examiner CHARLES SWIFT	**Art Unit** 2196	**AIA (First Inventor to File) Status** No

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 28 February 2014 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

NO NOTICE OF APPEAL FILED

1. ☒ The reply was filed after a final rejection. No Notice of Appeal has been filed. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114 if this is a utility or plant application. Note that RCEs are not permitted in design applications. The reply must be filed within one of the following time periods:
   a) ☒ The period for reply expires 3 months from the mailing date of the final rejection.
   b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action; or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
   c) ☐ A prior Advisory Action was mailed more than 3 months after the mailing date of the final rejection in response to a first after-final reply filed within 2 months of the mailing date of the final rejection. The current period for reply expires months from the mailing date of *the prior Advisory Action* or SIX MONTHS from the mailing date of the final rejection, whichever is earlier.
   Examiner Note: If box 1 is checked, check either box (a), (b) or (c). ONLY CHECK BOX (b) WHEN THIS ADVISORY ACTION IS THE FIRST RESPONSE TO APPLICANT'S FIRST AFTER-FINAL REPLY WHICH WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. ONLY CHECK BOX (c) IN THE LIMITED SITUATION SET FORTH UNDER BOX (c). See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) or (c) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. ☐ The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. ☒ The proposed amendments filed after a final rejection, but prior to the date of filing a brief, will not be entered because
   a) ☒ They raise new issues that would require further consideration and/or search (see NOTE below);
   b) ☐ They raise the issue of new matter (see NOTE below);
   c) ☒ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
   d) ☒ They present additional claims without canceling a corresponding number of finally rejected claims.
   NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).
4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
5. ☐ Applicant's reply has overcome the following rejection(s): _____.
6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☒ For purposes of appeal, the proposed amendment(s): (a) ☒ will not be entered, or (b) ☐ will be entered, and an explanation of how the new or amended claims would be rejected is provided below or appended.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
9. ☐ The affidavit or other evidence filed after final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
10. ☐ The affidavit or other evidence filed after the date of filing the Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
11. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

12. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because: Argument directs to the proposed amended claims.
13. ☐ Note the attached Information *Disclosure Statement*(s). (PTO/SB/08) Paper No(s). _____
14. ☐ Other: Interview summary dated 3/5/2014.

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:
    Claim(s) allowed: .
    Claim(s) objected to: .
    Claim(s) rejected: 1 and 3 - 8.
    Claim(s) withdrawn from consideration: .

/CHARLES SWIFT/
Examiner, Art Unit 2196

Interview summary dated 3/5/2014 attached

Examiner-Initiated Interview Summary	Application No. 11/495,863	Applicant(s) CHOI ET AL.	
	Examiner CHARLES SWIFT	Art Unit 2196	

All participants (applicant, applicant's representative, PTO personnel):

(1) *CHARLES SWIFT*. (3)_____.

(2) *Nathan Cristler (61736)*. (4)_____.

Date of Interview: *05 March 2014*.

Type: ☒ Telephonic ☐ Video Conference
☐ Personal [copy given to: ☐ applicant ☐ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☒ No.
If Yes, brief description: _____.

Issues Discussed ☐101 ☐112 ☐102 ☒103 ☐Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: *1 and 4*.

Identification of prior art discussed: _____.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Called applicant for interview regarding AFCP 2.0 request and the accompanying proposed amendmet. Made suggestion to applicant regarding further amendments to the claims that can overcome existing prior art rejection. No agreement on patentability was reached.

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Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/CHARLES SWIFT/ Examiner, Art Unit 2196	

Do not enter – /C.S./

RESPONSE UNDER 37 CFR 1.116
EXPEDITED PROCEDURE
GROUP ART UNIT 2196

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	Docket No.: P4101US00
Seul Ki CHOI, *et. al.*	
Serial No.: 11/495,863	Group Art Unit: 2196
Confirmation No.: 3379	
Filed: July 28, 2006	Examiner: SWIFT, CHARLES M

For: **METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL**

Mail Stop: AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY UNDER 37 C.F.R. § 1.116

Sir:

In response to the Final Office Action dated December 4, 2013 ("Office Action"), Applicants respectfully request reconsideration of the application in view of the following Amendments and/or Remarks.

Amendments to the Claims begin on page 2.

Remarks begin on page 5.

No extensions of time are required at this time. If extensions of time are necessary to prevent abandonment of this application, then they are petitioned for under 37 C.F.R. § 1.136(a). No fees for net addition of claims are required at this time. Any fees required for extensions of time or for the net addition of claims may be charged to our Deposit Account No. 50-3698.

Doc code: RCEX
Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	11/495,863	Filing Date	2006-07-28	Docket Number (if applicable)	P4101US00	Art Unit	2196
First Named Inventor	Seul Ki CHOI			Examiner Name	SWIFT, CHARLES M		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

☐ Other _____

☒ Enclosed

☒ Amendment/Reply

☐ Information Disclosure Statement (IDS)

☐ Affidavit(s)/ Declaration(s)

☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____
(Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

☒ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**
The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 503698

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/sok k hong/	Date (YYYY-MM-DD)	2014-05-01
Name	Sok K. Hong	Registration Number	64719

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	Docket No.: P4101US00
Seul Ki CHOI *et al.*	
Serial No.: 11/495,863	Group Art Unit: 2196
Confirmation No.: 3379	
Filed: July 28, 2006	Examiner: SWIFT, CHARLES M

For: **METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL**

Mail Stop: AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY AND AMENDMENT SUBMITTED WITH A REQUEST FOR CONTINUED EXAMINATION (RCE) UNDER 37 C.F.R. §1.114

Dear Sir:

In support of the Request for Continued Examination filed concurrently with this Reply, and in response to the Final Office Action dated December 4, 2013 ("Office Action") and the Advisory Action dated March 21, 2014 ("Advisory Action"), Applicants respectfully request reconsideration of the application in view of the following Amendments and Remarks. This amendment replaces the amendment filed on February 28, 2014. Therefore, please DO NOT ENTER the amendment filed on February 28, 2014.

Amendments to the Claims begin on page 3.

Remarks begin on page 7.

A Petition for a two (2)-month extension of time under 37 C.F.R. § 1.136(a) is filed to extend the period for response through May 4, 2014. No further extensions of time are required other than those in the accompanying Petition. If further extensions of time are necessary to prevent abandonment of this application, then they are petitioned for under 37 C.F.R. §

1.136(a). No fees for net addition of claims are required at this time. Any fees required for further extensions of time or for the net addition of claims may be charged to our Deposit Account No. 50-3698.

AMENDMENTS TO THE CLAIMS

Please **CANCEL** claims 1 and 3 as shown below.

Please **AMEND** claims 4 and 6 as shown below.

Please **ADD** new claims 9-15 as shown below.

This amendment replaces the amendment filed on February 28, 2014. Therefore, please DO NOT ENTER the amendment filed on February 28, 2014.
This claim list replaces all prior claim lists in the application.

1-3. (Canceled)

4. (Currently Amended) A method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that ~~concurrently~~ performs the first work process and the second work process, the method comprising:

while performing the first work process, ~~inputting a first command for~~ sequentially displaying icons ~~in turn~~ corresponding to respective work processes of the mobile terminal, the sequentially displayed icons being displayed together with an item of the first work process, and the sequentially displayed icons not including an icon corresponding to the second work process~~wherein sequentially displaying icons comprises overlaying the icons corresponding to active work processes in order of the work process performed over a screen corresponding to the first work process~~;

in response to a first command for sequentially displaying icons, performing sequential display of icons such that the icon corresponding to the second work process is sequentially

displayed;

~~inputting~~in response to a second command for selecting the icon corresponding to the second work process among ~~one of~~ the sequentially displayed icons, displaying a screen of the second work process in replacement of the screen of the first work process ~~corresponding to the second work process~~;

controlling the multitasking of the second work process and the first work process in response to the second command;

~~inputting~~in response to a third command for activating a pop-up ~~menu~~ for controlling a predetermined function of the second work process, activating the pop-up for controlling the predetermined function of the second work process; and

~~inputting~~in response to a fourth command for controlling the predetermined function of the second work process through the activated pop-up ~~menu~~, controlling the predetermined function of the second work process through the activated pop-up

~~wherein the sequentially displayed icons and the pop-up menu are displayed brighter than the screen corresponding to the first work process~~.

5. (Previously Presented) The method of claim 4, wherein the controlling the predetermined function of the second work process comprises:

generating a control signal for controlling the predetermined function of the second work process in response to the fourth command; and

controlling the predetermined function of the second work process in response to the generated control signal.

6. (Currently Amended) The method of claim 4, further comprising:

~~inputting~~in response to a fifth command for deactivating the activated pop-up, ~~menu; and~~

deactivating the activated pop-up ~~menu in response to the fifth command~~.

7. (Previously Presented) The method of claim 6, wherein the third command and the fifth command are inputted through an identical key of the mobile terminal.

8. (Original) The method of claim 6, wherein the second work process is an MP3 play process.

9. (New) The method of claim 4, wherein an item of the first work process is displayed brighter than the screen of the first work process.

10. (New) The method of claim 6, wherein the third command and the fifth command are inputted through at least one of a predetermined key, a user's voice, and a motion of the mobile terminal.

11. (New) The method of claim 4, wherein, in response to a repetition of the first command, performing sequential display of icons such that a displayed icon disappears from a screen of the mobile terminal and an icon appears on the screen of the mobile terminal.

12. (New) A method for selecting a second work process during a first work process in a multitasking mobile terminal that performs the first work process and the second work process in a multitasking environment, the method comprising:

while performing the first work process, sequentially displaying icons corresponding to respective work processes of the mobile terminal, the sequentially displayed icons being displayed together with an item of the first work process, and the sequentially displayed icons

not including an icon corresponding to the second work process;

in response to a first command for sequentially displaying icons, performing sequential display of icons such that the icon corresponding to the second work process is sequentially displayed;

in response to a second command for selecting the icon corresponding to the second work process among the sequentially displayed icons, displaying a screen of the second work process in replacement of a screen of the first work process; and

controlling the multitasking of the second work process and the first work process in response to the second command,

wherein an item of the second work process is displayed relatively brighter or clearer than an item of another work process.

13. (New) The method of claim 12, wherein, in response to a repetition of the first command, performing sequential display of icons such that a displayed icon disappears from a screen of the mobile terminal and an icon appears on the screen of the mobile terminal.

14. (New) The method of claim 12, wherein the first command and the second command are inputted through at least one of a predetermined key, a user's voice, and a motion of the mobile terminal.

15. (New) The method of claim 12, wherein the screen of the first work process is displayed together with sequentially displayed icons corresponding to respective work processes of the mobile terminal.

REMARKS

Claims 4 and 6 have been amended, claims 1 and 3 have been canceled without prejudice or disclaimer, and new claims 9-15 have been added. Accordingly, claims 4-15 are currently pending in the application, of which claims 4 and 12 are independent.

Applicants respectfully submit that the above amendments and added claims do not add new matter to the application and are fully supported by the specification. Support for the amendments and added claims may be found at least in FIGS. 4-9, paragraphs [0026]-[0037], [0044] and [0048] of the specification.

In view of the amendments and the following remarks, Applicants respectfully request reconsideration and timely withdrawal of the pending rejections for the reasons discussed below.

Rejections Under 35 U.S.C. § 103

To establish an obviousness rejection under 35 U.S.C. § 103(a), four factual inquiries must be examined. The four factual inquiries include (a) determining the scope and contents of the prior art; (b) ascertaining the differences between the prior art and the claims in issue; (c) resolving the level of ordinary skill in the pertinent art; and (d) evaluating evidence of secondary consideration. *Graham v. John Deere*, 383 U.S. 1, 17-18 (1966).

In view of these four factors, the analysis supporting a rejection under 35 U.S.C. 103(a) should be made explicit, and should "identify a reason that would have prompted a person of ordinary skill in the relevant field to combine the [prior art] elements" in the manner claimed. *KSR Int'l. Co. v. Teleflex, Inc.*, 127 S. Ct. 1727, 82 USPQ2d 1385, 1396 (2007). The Federal Circuit requires that "rejections on obviousness cannot be sustained with mere conclusory statements; instead, there must be some articulated reasoning with some rational

underpinning to support the legal conclusion of obviousness." *In re Kahn*, 441 F.3d 977, 988, 78 USPQ2d 1329, 1336 (Fed. Cir. 2006).

Finally, even if the prior art may be combined, there must be a reasonable expectation of success, and the reference or references, when combined, must disclose or suggest every claimed feature. *See in re Vaeck*, 947 F.2d 488, 20 USPQ2d 1438 (Fed. Cir. 1991).

Claims 1 and 3-8 stand rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over U.S. Patent No. 7,123,945, issued to Kokubo ("Kokubo") in view of U.S. Patent Application Publication No. 2007/0003224, applied for by Krikorian, *et al*. ("Krikorian"), and further in view of U.S. Patent Application Publication No. 2004/0229200, applied for by McKeon, *et al*. ("McKeon").

In the Advisory Action, the Examiner cites to U.S. Patent Application Publication No. 2006/0161847, applied for by Holecek, *et al*. ("Holecek") and U.S. Patent Application Publication No. 2003/0117440, applied for by Hellyar, *et al*. ("Hellyar") to disclose "while performing the first work process, inputting a first command for sequentially displaying one or more icons at a time, in turn, corresponding to respective work processes of the mobile terminal". Advisory Action, page 2. Without conceding to the correctness of the Examiner's assertions, claim 4 has been amended for clarification and to advance prosecution.

Claim 4 has been amended to recite, *inter alia*:

while performing the first work process, ***sequentially displaying icons*** corresponding to respective work processes of the mobile terminal, ***the sequentially displayed icons being displayed together with an item of the first work process, and the sequentially displayed icons not including an icon corresponding to the second work process***;
in response to ***a first command*** for sequentially displaying icons, ***performing sequential display of icons such that the icon corresponding to the second work process is sequentially displayed***;
in response to a second command for selecting the icon corresponding to the second work process among the sequentially displayed icons, displaying a screen of the second work process in replacement of the screen of the first work process;

controlling the multitasking of the second work process and the first work process in response to the second command. (emphasis added).

Applicants respectfully submit that none of the cited art, whether taken alone or in combination, discloses or suggests at least the above- referenced features of claim 1.

The Examiner relies upon Holecek's Figure 3 and paragraph [0046] and Helllyar's paragraphs [0004] and [0008]. Advisory Action, page 2. Holecek and Hellyar disclose Window's Alt+Tab function in which all windows are open. A user can depress certain predefined keys on a keyboard to initiate the action. For example, a user may depress and hold the Alt key on the keyboard. Then, upon depressing the Tab key, she can see the information area 390. Id. However, Holecek and Hellyar do not disclose at least "while performing the first work process, ***sequentially displaying icons*** corresponding to respective work processes of the mobile terminal, ***the sequentially displayed icons being displayed together with an item of the first work process, and the sequentially displayed icons not including an icon corresponding to the second work process***; in response to ***a first command*** for sequentially displaying icons, ***performing sequential display of icons such that the icon corresponding to the second work process is sequentially displayed***; in response to a second command for selecting the icon corresponding to the second work process among the sequentially displayed icons, displaying a screen of the second work process in replacement of the screen of the first work process" as recited in amended claim 4, and other references fail to cure the deficiencies of Holecek and Hellyar. (Emphasis added).

At page 3 of the Office Action, the Examiner cites to Kokubu to disclose inputting keys 162 or operation keys 164 to switch from a main display unit 122 to the sub-display unit 142. Kokubu, col. 13, lines 24-30. However, the switching from the main display unit 122 to the sub-display unit 142 in Kokubo does not disclose or suggest that the plural icons 10 are sequentially displayed as recited in the claim at issue. For example, Kokubo, in Figs. 10-12, illustrates plural

icons 10 displayed ***together*** in a sub-display 142. Kokubo further discloses that the sub-display unit can comprise a top row of always displayed pre-set icons 10a through 10e and a bottom row of icons corresponding to active application software displayed on the main display. Kokubo, col. 12, lines 49-58. As such, Kokubo fails to disclose such features of amended claim 4. Further, neither Krikorian nor McKeon cure the deficiencies of Kokubo with respect to at least such features. Therefore, it is respectfully requested that this rejection be withdrawn and that claim 4 be allowed to issue.

New claim 12 is allowable for the same reasons as noted above with reference to claim 4, as claim 12 similarly recites, *inter alia*:

> while performing the first work process, sequentially displaying icons corresponding to respective work processes of the mobile terminal, the sequentially displayed icons being displayed together with an item of the first work process, and the sequentially displayed icons not including an icon corresponding to the second work process;
> in response to a first command for sequentially displaying icons, performing sequential display of icons such that the icon corresponding to the second work process is sequentially displayed; and
> in response to a second command for selecting the icon corresponding to the second work process among the sequentially displayed icons, displaying a screen of the second work process in replacement of a screen of the first work process; and
> controlling the multitasking of the second work process and the first work process in response to the second command.

In addition, in rejecting claim 1, the Office Action concedes that Kokubu and Krikorian, alone or in combination, fail to disclose "wherein the sequentially displayed icons are displayed brighter than the screen corresponding to the first work process," and cites to McKeon to disclose this feature. Office Action, pages 4-5. New claim 12 recites, in relevant part, "wherein an item of the second work process is displayed relatively brighter or clearer than an item of another work process." McKeon discloses a soft focus event that appears on the desktop but stays in the background. McKeon, paragraph [0079]. For example, "a flashing icon in the task bar for a background application that wants to gain focus" can be a soft focus event. *Id.*

However, McKeon fails to disclose any features of the flashing icon, and necessarily fails to disclose the flashing icon is displayed relatively brighter or clearer than an item of another work process. Accordingly, McKeon fails to disclose "wherein an item of the second work process is displayed relatively brighter or clearer than an item of another work process" as recited in new claim 12.

Further, in rejecting claim 1, the Examiner does not establish that the above features are disclosed in McKeon. Rather, the Examiner argues that "the flashing icon *would be* brighter than the main screen." Office Action, page 5 (emphasis added). However, the Examiner's reliance upon what "would be" shown in McKeon is not sufficient to disclose such features of claim 1 and "wherein an item of the second work process is displayed relatively brighter or clearer than an item of another work process" feature of new claim 12. Further, to the extent the Examiner is relying upon an inherency theory in rejection of claim 1 based on McKeon, the rejection cannot be maintained since the Examiner has not shown the requisite inherency of this feature in McKeon. To establish inherency, the extrinsic evidence "must make clear that the missing descriptive matter is necessarily present in the thing described in the reference, and that it would be so recognized by persons of ordinary skill. *Inherency, however, may not be established by probabilities or possibilities*. The mere fact that a certain thing *may* result from a given set of circumstances is not sufficient." MPEP § 2112, citing *In re Robertson*, 169 F.3d 743 (emphasis added) (Fed. Cir. 1999); *see In re Rijckaert*, 9 F.3d 1531, 1534 (Fed. Cir. 1993) (explaining that the fact that a certain result or characteristic *may* occur or be present in the prior art is not sufficient to establish the inherency of that result or characteristic). However, in rejecting claim 1, the Examiner argues that "the flashing icon *would be* brighter than the main screen." Office Action, page 5 (emphasis added). Accordingly, the Examiner has not shown an objective basis or technical reasoning to reasonably support that this feature necessarily exists in McKeon. As such, the rejection cannot be maintained as presented by the Examiner.

Claims 1 and 3 have been canceled without prejudice or disclaimer, thus the rejections thereof have been rendered moot.

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. § 103(a) rejection of claim 4. Claims 5-11 depend from claim 4, and are allowable at least for this reason. Since none of the other prior art of record, whether taken alone or in any combination, discloses or suggests all the features of the claimed invention, Applicants respectfully submit that independent claim 4, and all the claims that depend therefrom, are allowable.

Added Claims

Added claims 9-15 are directed to additional features of the invention, which are not disclosed or suggested in the art of record.

CONCLUSION

A full and complete response has been made to the pending Office Action, and all of the grounds for rejection have been overcome or rendered moot. Accordingly, all pending claims are allowable, and the application is in condition for allowance.

The Examiner is invited to contact Applicants' undersigned representative at the number below if it would expedite prosecution. Prompt and favorable consideration of this Reply is respectfully requested.

Respectfully submitted,

/sok k hong/

Sok K. Hong
Reg. No. 64,719

Date: May 1, 2014

CUSTOMER NUMBER: 58027
H.C. Park & Associates, PLC
1894 Preston White Drive
Reston, VA 20191
Tel: 703-288-5105
Fax: 703-288-5139
HCP/DM/gmp

PTO/SB/22 (03-13)
Approved for use through 3/31/2013. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)

Docket Number (Optional): P4101US00

Application Number: 11/495,863

Filed: July 28, 2006

For: METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL

Art Unit: 2196

Examiner: SWIFT, CHARLES M

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above-identified application.

The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):

		Fee	Small Entity Fee	Micro Entity Fee	
☐	One month (37 CFR 1.17(a)(1))	$200	$100	$50	$
☑	Two months (37 CFR 1.17(a)(2))	$600	$300	$150	$ 600
☐	Three months (37 CFR 1.17(a)(3))	$1,400	$700	$350	$
☐	Four months (37 CFR 1.17(a)(4))	$2,200	$1,100	$550	$
☐	Five months (37 CFR 1.17(a)(5))	$3,000	$1,500	$750	$

☐ Applicant asserts small entity status. See 37 CFR 1.27.

☐ Applicant certifies micro entity status. See 37 CFR 1.29.
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

☐ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director has already been authorized to charge fees in this application to a Deposit Account.

☑ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 50-3698.

☑ Payment made via EFS-Web.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

I am the

☐ applicant/inventor.

☐ assignee of record of the entire interest. See 37 CFR 3.71. 37 CFR 3.73(b) statement is enclosed (Form PTO/SB/96).

☑ attorney or agent of record. Registration number 64,719.

☐ attorney or agent acting under 37 CFR 1.34. Registration number _____.

/sok k hong/ — Signature

May 1, 2014 — Date

Sok K. Hong — Typed or printed name

703-288-5105 — Telephone Number

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.

☑ * Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.136(a). The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	11495863
Filing Date:	28-Jul-2006
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Filer:	Hae-Chan Park/Gloria Pereira
Attorney Docket Number:	P4101US00

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 2 months with $0 paid	1252	1	600	600

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
RCE - 2nd and Subsequent Request	1820	1	1700	1700
		Total in USD ($)		**2300**

Electronic Acknowledgement Receipt	
EFS ID:	18919481
Application Number:	11495863
International Application Number:	
Confirmation Number:	3379
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Customer Number:	58027
Filer:	Hae-Chan Park/Sok Hong
Filer Authorized By:	Hae-Chan Park
Attorney Docket Number:	P4101US00
Receipt Date:	01-MAY-2014
Filing Date:	28-JUL-2006
Time Stamp:	16:55:54
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
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RAM confirmation Number	3126
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)

1	Request for Continued Examination (RCE)	2014-05-01_P4101US00_RCE.pdf	1387789 bce1a5f4f20d26429fb43a9a3c4e219ab8c24057	no	3
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
2		2014-05-01_P4101US00_Reply_RCE.pdf	143889 9df0b32231487e4e7a207a242a8ce80da4b18528	yes	13

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment Submitted/Entered with Filing of CPA/RCE	1	2
	Claims	3	6
	Applicant Arguments/Remarks Made in an Amendment	7	13

Warnings:					
Information:					
3	Extension of Time	2014-05-01_P4101US00_2mo_EOT.pdf	97533 7b4e181e52f51d2c2bad30666e179abdcdecb4bc	no	2
Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	32091 40595a6758f04c28efbceb341d29bfc9fe9efd8b	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	1661302	

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New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

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If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
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PTO/SB/06 (09-11)
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 11/495,863	Filing Date 07/28/2006	☐ To be Mailed

ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

	(Column 1)	(Column 2)		
FOR	NUMBER FILED	NUMBER EXTRA	RATE ($)	FEE ($)
☒ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	**300**
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	**300**

APPLICATION AS AMENDED – PART II

		(Column 1)		(Column 2)	(Column 3)		
AMENDMENT	**05/01/2014**	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 12	Minus	** 20	= 0	X $80 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	***3	= 0	X $420 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	**0**

		(Column 1)		(Column 2)	(Column 3)		
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
/TAMMY d. MCBETH BROWN/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/495,863	07/28/2006	Seul Ki Choi	P4101US00	3379

58027 7590 09/23/2014

H.C. PARK & ASSOCIATES, PLC
1894 PRESTON WHITE DRIVE
RESTON, VA 20191

EXAMINER	
SWIFT, CHARLES M	

ART UNIT	PAPER NUMBER
2196	

NOTIFICATION DATE	DELIVERY MODE
09/23/2014	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATENT@PARK-LAW.COM

Office Action Summary	Application No. 11/495,863	Applicant(s) CHOI ET AL.	
	Examiner CHARLES SWIFT	Art Unit 2196	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *5/1/2014*.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5)☒ Claim(s) *4 - 15* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *4 - 15* is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

4) ☐ Other: _____.

1. The present application is being examined under the pre-AIA first to invent provisions.

DETAILED ACTION

2. This office action is in response to RCE filed on 5/1/2014.

3. Claims 1 and 3 are cancelled.

4. Claims 9 – 15 are added.

5. Claims 4 – 6 are amended.

6. Claims 4 – 15 are currently pending.

Continued Examination Under 37 CFR 1.114

7. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 5/1/2014 has been entered.

Claim Rejections - 35 USC § 112

8. The following is a quotation of 35 U.S.C. 112(b):

> (b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

9. Claim 4 recites the limitation "in response to a second command for selecting the icon corresponding to the second work process among the sequentially displayed icon, displaying a screen of the second work process in replacement of the screen of the first work process". There is insufficient antecedent basis for the claimed “the screen of the first work process” in the claim.

10. Claims 4 – 11 are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention.

As per claim 4, limitation 5 – 6 claims “in response to a third command for activating a pop-up for controlling a predetermined function of the second work process, activating the pop-up for controlling the predetermined function of the second work process; and in response to a fourth command for controlling the predetermined function of the second work process through the activated pop-up, controlling the predetermined function of the second work process through the activated pop-up.” Referring to figures 7, 8A and 8B, and specification paragraphs [0037] – [0046], it teaches that the SMS message creation screen is executing in the foreground, while the MP3 function is executing in the background, and user may input a command to

activate a pop-up menu for controlling the MP3 play process, and the pop-up menu for controlling MP3 play process overlays on top of the SMS creation screen. Referring now back to claim 4, limitation 3 teaches "displaying a screen of the second work process in replacement of the screen of the first work process", thus it can be interpreted that the SMS creation screen shown in figure 8A and 8B is the screen of the second work process and the MP3 play process is the first work process as claimed. The pop-up for controlling MP3 play should thus be used to control the first work process, instead for the second work process as claimed.

Claims 5 – 11 suffers from the same deficiency.

Claim Rejections - 35 USC § 103

11. The following is a quotation of pre-AIA 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

12. Claims **4 – 8, 10 and 11** are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over **Kokubo (USPAT 7123945)**, in view of **Cain (US 20050183017)**.

As per claim 4, Kokubo discloses: A method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that

concurrently performs the first work process and the second work process, the method comprising:

while performing the first work process, sequentially displaying icons corresponding to respective work processes of the mobile terminal, the sequentially displayed icon being displayed together with an item of the first work process, and the sequentially displayed icons not including an icon corresponding to the second work process; **(Kokubo col 11, lines 3 – 18: activating and run web browser application in the main display unit 122, when the web browser is activated, automatically generate the icon 10 for the web browser and displayed the icon on the sub-display unit 142.)**

in response to a first commander for sequentially displaying icons, performing sequential display of icons such that the icon corresponding to the second work process is sequentially displayed; **(Kokubo col 11, lines 34 – 40 & col 11, line 49 – col 12, line 6: if a different application such as email software is activated but the icon is not displayed on the sub-display unit 142, manually generate icon for email application using operation keys and the like and display the generated icon in sub-display unit 142; col 11, lines 1 – 5: applications are activated using a predetermined operation performed with the input/call key 162 or the operation key 164.)**

in response to a second command for selecting the icon corresponding to the second work process among the sequentially displayed icon, displaying a screen of the second work process in replacement of the screen of the first work process; **(Kokubo**

col 10, lines 24 – 35 & Fig. 8B - 8C: scrolls to desired icon (A) and selects it; col 11, lines 41 – 48: if the icon is displayed on the sub-display unit 142, switching to the application software corresponding to the icon, and the email screen is displayed on the main display unit 122.)

controlling the multitasking of the second work process and the first work process in response to the second command; **(Kokubo col 10, lines 4 – 9 and fig. 8B – 8C: processing of the activated task B is started on the main region 122a, and the task B is displayed on the main display unit 122, at the same time, processing of the task A is continued in the sub-region 142a in the memory, and the most recent states are monitored by the pointer p.)**

Kokubo did not disclose:

in response to a third command for activating a pop-up for controlling a predetermined function of the second work process, activating the pop-up for controlling the predetermined function of the second work process;

and in response to a fourth command for controlling the predetermined function of the second work process through the activated pop-up, controlling the predetermined function of the second work process through the activated pop-up.

However, Cain teaches:

in response to a third command for activating a pop-up for controlling a predetermined function of the second work process, activating the pop-up for controlling

the predetermined function of the second work process; and in response to a fourth command for controlling the predetermined function of the second work process through the activated pop-up, controlling the predetermined function of the second work process through the activated pop-up. **(Cain [0055]: playback control is not available on screen during full screen mode, user can display control by moving mouse pointer to make playback control appears on screen, and controls the playback with it, and the playback control can then slide off the screen and remain hidden a few moments after appearing.)**

It would have been obvious for one of ordinary skill in the art at the time of invention to incorporate the teaching of Rehm into that of Kokubo in order to activating a pop-up for controlling a predetermined function of the second work process in response to a third command; and controlling the predetermined function of the second work process through the activated pop-up in response to a fourth command. Cain teaches hiding controls for media playback while in full screen mode would allow user the unobstructed view of the media, and making the control appear and disappear based on user interaction would allow easy playback control without affecting viewing as the control may fade out after a few moments, thus the combination of prior art would enhance the overall appeals of all references by allowing a simpler and more efficient way to present UI to users for controlling aspects of applications in the mobile phone.

As per claim 5, Kokubo and Cain further teach:

The method of claim 4, wherein the controlling the predetermined function of the second work process comprises: generating a control signal for controlling the predetermined function of the second work process in response to the fourth command; and controlling the predetermined function of the second work process in response to the generated control signal. **(Cain [0055]: playback control is not available on screen during full screen mode, user can display control by moving mouse pointer to make playback control appears on screen, and controls the playback with it, and the playback control can then slide off the screen and remain hidden a few moments after appearing.)**

As per claim 6, Kokubo and Cain further teach:

The method of claim 4, further comprising: in response to a fifth command for deactivating the activated pop-up menu; and deactivating the activated pop-up menu. **(Cain [0055]: playback control is not available on screen during full screen mode, user can display control by moving mouse pointer to make playback control appears on screen, and controls the playback with it, and the playback control can then slide off the screen and remain hidden a few moments after appearing.)**

As per claim 7, Kokubo and Cain further teach:

The method of claim 6, wherein the third command and the fifth command are inputted through an identical key of the mobile terminal. **(Cain [0055]: mouse**

movement.)

As per claim 8, Kokubo and Cain further teach:

The method of claim 6, wherein the second work process is an mp3 play process. **(Cain [0084]: music playback; [0008]: digital media.)**

As per claim 10, Kokubo and Cain further teach:

The method of claim 6, wherein the third command and the fifth command are inputted through at least one of a predetermined key, a user's voice, and a motion of the mobile terminal. **(Cain [0055]: mouse movement.)**

As per claim 11, Kokubo and Cain further teach:

The method of claim 4, wherein, in response to a repetition of the first command, performing sequential display of icons such that a displayed icon disappears from a screen of the mobile terminal and an icon appears on the screen of the mobile terminal. **(Kokubo col 10, lines 4 – 19: when task B is terminated, task A is resumed on the main display unit, and the icon 10 for task A is erased from the sub-display unit 142; col 10, lines 24 – 35: switching task using predetermined keys.)**

13. Claim **9** is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over **Kokubo and Cain**, and further in view of **King (US 20050229103)**.

As per claim 9, Kokubo and Cain did not teach:

The method of claim 4, wherein an item of the first work process is displayed brighter than the screen of the first work process.

However, King teaches:

The method of claim 4, wherein an item of the first work process is displayed brighter than the screen of the first work process. **(King [0078]: if an icon is active, it will be shown as brighter. Thus when combined with Kokubo col 11, lines 3 – 18, wherein the phone has just been turned on and the browser application is the only program activated and thus the only icon presented in the sub-display area, the web browser application icon would be brighter than the actual screen of the web browser application shown in the main display area.)**

It would have been obvious for one of ordinary skill in the art at the time of invention to incorporate the teaching of King into that of Kokubo and Cain in order to have an item of the first work process is displayed brighter than the screen of the first work process. Kokubo col 11, lines 3 – 18 teaches after the phone is powered on, activating and run web browser application in the main display unit 122, when the web browser is activated, automatically generate the icon 10 for the web browser and displayed the icon on the sub-display unit 142, thus Kokubo teaches initially, only the web browser icon is displayed in the sub-display area while the actual screen of the web browser application is shown in the main display area. Thus combining the teaching of King into the existing prior art would allow the web browser icon to be brighter than the actual

screen of the web browser to easily distinguish the icon from the screen, such combination would enhance the user friendliness of the phone UI.

14. Claims **12 – 15** are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over **Kokubo**, and in view of **King**.

As per claim 12, Kokubo discloses: A method for selecting a second work process during a first work process in a multitasking mobile terminal that performs the first work process and the second work process in a multitasking environment, the method comprising:

while performing the first work process, sequentially displaying icons corresponding to respective work processes of the mobile terminal, the sequentially displayed icons being displayed together with an item of the first work process, and the sequentially displayed icons not including an icon corresponding to the second work process; **(Kokubo col 11, lines 3 – 18: activating and run web browser application in the main display unit 122, when the web browser is activated, automatically generate the icon 10 for the web browser and displayed the icon on the sub-display unit 142.)**

in response to a first command for sequentially displaying icons, performing sequential display of icons such that the icon corresponding to the second work process is sequentially displayed; **(Kokubo col 11, lines 34 – 40 & col 11, line 49 – col 12, line 6: if a different application such as email software is activated but the icon is not**

displayed on the sub-display unit 142, manually generate icon for email application using operation keys and the like and display the generated icon in sub-display unit 142; col 11, lines 1 – 5: applications are activated using a predetermined operation performed with the input/call key 162 or the operation key 164.)

in response to a second command for selecting the icon corresponding to the second work process among the sequentially displayed icons, displaying a screen of the second work process in replacement of a screen of the first work process; **(Kokubo col 10, lines 24 – 35 & Fig. 8B - 8C: scrolls to desired icon (A) and selects it; col 11, lines 41 – 48: if the icon is displayed on the sub-display unit 142, switching to the application software corresponding to the icon, and the email screen is displayed on the main display unit 122.)**

and controlling the multitasking of the second work process and the first work process in response to the second command, **(Kokubo col 10, lines 4 – 9 and fig. 8B – 8C: processing of the activated task B is started on the main region 122a, and the task B is displayed on the main display unit 122, at the same time, processing of the task A is continued in the sub-region 142a in the memory, and the most recent states are monitored by the pointer p.)**

Kokubo did not disclose:

wherein an item of the second work process is displayed relatively brighter or clearer than an item of another work process.

However, King teaches:

wherein an item of the second work process is displayed relatively brighter or clearer than an item of another work process. **(King [0078]: if an icon needs attention, it may be flashing, note flashing is equivalent to be brighter or clearer than others.)**

It would have been obvious for one of ordinary skill in the art at the time of invention to incorporate the teaching of King into that of Kokubo in order to have an item of the second work process is displayed relatively brighter or clearer than an item of another work process. King [0078] teaches that if an icon needs user attention, it can be set to flashing, thus when a call is received, the icon for the phone function can be flashing to show the user about the incoming call, thus applicant have merely claimed the combination of known parts in the field to achieve predictable results and is therefore rejected under 35 USC 103.

As per claim 13, Kokubo and King further teach:

The method of claim 12, wherein, in response to a repetition of the first command, performing sequential display of icons such that a displayed icon disappears from a screen of the mobile terminal and an icon appears on the screen of the mobile terminal. **(Kokubo col 10, lines 4 – 19: when task B is terminated, task A is**

resumed on the main display unit, and the icon 10 for task A is erased from the sub-display unit 142; col 10, lines 24 – 35: switching task using predetermined keys.)

As per claim 14, Kokubo and King further teach:

The method of claim 12, wherein the first command and the second command are inputted through at least one of a predetermined key, a user's voice, and a motion of the mobile terminal. **(Kokubo col 11, lines 1 – 5: applications are activated using a predetermined operation performed with the input/call key 162 or the operation key 164.)**

As per claim 15, Kokubo and King further teach:

The method of claim 12, wherein the screen of the first work process is displayed together with sequentially displayed icons corresponding to respective work processes of the mobile terminal. **(Kokubo col 11, lines 3 – 18: activating and run web browser application in the main display unit 122, when the web browser is activated, automatically generate the icon 10 for the web browser and displayed the icon on the sub-display unit 142.)**

Response to Arguments

15. Applicant's arguments filed 5/1/2014 have been fully considered but they are not persuasive.

Claim 4:

Applicant argued on pages 8 - 10 that Kokubo reference does not teach limitations " while performing the first work process, sequentially displaying icons corresponding to respective work processes of the mobile terminal, the sequentially displayed icon being displayed together with an item of the first work process, and the sequentially displayed icons not including an icon corresponding to the second work process;" and "in response to a first commander for sequentially displaying icons, performing sequential display of icons such that the icon corresponding to the second work process is sequentially displayed;". More specifically, applicant argued on page 9, last paragraph that Kokubo does not disclose or suggest that the plural icons 10 are sequentially displayed and is instead displayed together.

The examiner disagrees and first referring to Kokubo col 11, lines 3 – 18, wherein after the phone is switched on, user can activate and run web browser application in the main display unit 122, when the web browser is activated, automatically generate the icon 10 for the web browser and displayed the icon on the sub-display unit 142. Thus Kokubo teaches initially, when only the web browser is activated by the user after powering on the phone, only the web browser icon is displayed in the sub-display area while the actual screen of the web browser application is shown in the main display area. Second referring to Kokubo col 11, lines 34 – 40 & col 11, line 49 – col 12, line 6, Kokubo teaches that if a different application such as

email software is activated but the icon is not displayed on the sub-display unit 142, manually generate icon for email application using operation keys and the like and display the generated icon in sub-display unit 142.; Kokubo col 11, lines 1 – 5 teaches applications are activated using a predetermined operation performed with the input/call key 162 or the operation key 164. Thus Kokubo teaches the sub-displayed area can be populated by icon based on user activating different program applications of the phone, and the icon are generated and displayed in sequential order according to program application activation order. Furthermore the claimed language merely claims "sequentially displaying icons", nowhere in the claim did the applicant specify the icons are sequentially displayed one at a time, thus under the broadest reasonable interpretation, Kokubo teaches the claimed limitations in full.

Claims 5 – 11:

No separate arguments are presented.

16. Applicant's arguments with respect to claims 12 - 15 have been considered but are moot because the arguments do not apply to any of the references being used in the current rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHARLES SWIFT whose telephone number is

(571)270-7756. The examiner can normally be reached on Monday through Thursday, 9:00AM to 6:00PM, Friday 10:30AM - 3:30PM, Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emerson Puente can be reached on (571)272-3652. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/CHARLES SWIFT/
Primary Examiner, Art Unit 2196

Notice of References Cited	Application/Control No. 11/495,863	Applicant(s)/Patent Under Reexamination CHOI ET AL.	
	Examiner CHARLES SWIFT	Art Unit 2196	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2006/0075347	04-2006	Rehm, Peter H.	715/727
*	B	US-2005/0183017	08-2005	Cain, Jonathan Marshall	715/719
*	C	US-2006/0236266	10-2006	Majava, Laura	715/810
*	D	US-8,106,877	01-2012	Park et al.	345/102
*	E	US-2005/0120306	06-2005	Klassen et al.	715/765
*	F	US-2006/0107227	05-2006	Kiljander, Harri	715/772
*	G	US-2005/0229103	10-2005	King, David Michael	715/741
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"7123945".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 11:50
S2	146	sequential$2 with (display$3 show$3) with icon with order	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:39
S3	29	S2 and (mobile near3 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:39
S4	5	S3 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:39
S5	228	sequential$2 with (display$3 show$3) with ((icon symbol) near5 (work process)) with order	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
S6	23	S5 and (mobile near3 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
S7	0	S6 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
S8	6	S5 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
S9	536	(display$3 show$3) with ((icon symbol) near5 (work process)) with order	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:46
S10	789	(display$3 show$3) with ((icon symbol) near5 (work process)) with (order sequen$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:46
S11	40	S2 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47
S12	594990	11and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47

S13	97	S10 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47
S14	30	S13 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47
S15	171	S9 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:55
S16	163	S15 not S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:55
S17	2	S16 and "455".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:55
S18	544	(display$3 show$3) with ((icon symbol) near5 (work process)) with order$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:34
S19	176	S18 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:35
S20	5	S19 not S15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:35
S21	34	(display$3 show$3) with ((icon symbol) near5 (work process)) with order$3 with arrang$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:36
S22	8	(display$3 show$3) with ((icon symbol) near5 (work process)) with order$3 with priority	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:36
S23	1	S22 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:37
S24	633	(arrang$3 display$3 show$3) with ((icon symbol) near5 (work process)) with (order$3 priority)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:42
S25	211	S24 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:42
S26	33	S25 and ("718" "715" "709").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:42
S27	0	S26 and (mobile adj3 device)	US-PGPUB; USPAT; EPO; JPO;	OR	ON	2012/10/16 13:43

			DERWENT			
S28	0	S26 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:43
S29	11	S25 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:43
S30	35	(arrang$3) with (display$3 show$3) with ((icon symbol) near5 (work process)) with (order$3 priority)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:48
S31	16	S30 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:48
S32	2	"20020080186"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 14:13
S33	0	(arrang$3) with (display$3 show$3) with ((icon symbol) near5 (work process)) with (order$3 priority) with (active current)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/02/22 17:05
S34	0	(input$4 enter$4) with (command) with (display$3 show$3) with icon with (active near5 (process))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:30
S35	0	(command) with (display$3 show$3) with icon with (active near5 (process))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:30
S36	4	(command) with (display$3 show$3) with icon with (active near5 (program task process))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:31
S37	2	S36 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:31
S38	0	command$3 with (generat$3 creat$3) with (list) with icon with (active near4 (process program task))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:34
S39	2	(generat$3 creat$3) with (list) with icon with (active near4 (process program task))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:35
S40	2	S39 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:35
S41	15	("7123945").URPN.	USPAT	OR	ON	2013/03/22 17:37
S42	2	S41 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO;	OR	ON	2013/03/22 17:37

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S43	12	("20010016508" "20020002060" "20020077156" "20030013483" "20030045315" "20030232628").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:40
S44	24	(icon indicator) with overlay$3 with (current near3 (process screen))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:18
S45	21	S44 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:19
S46	9112	switch$3 with active with (application software interface)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:21
S47	9214	switch$3 with active with (application software interface GUI UI)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:21
S48	5674	S47 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:21
S49	1115	sequential$2 with (display$3 show$3) with icon	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:22
S50	3620	sequential$2 with (display$3 show$3) with (symbol icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:22
S51	2	S48 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:22
S52	515	S48 and (mobile near3 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:22
S53	8	US-20030013483-$.DID. OR US-7123945-$.DID. OR US-20060247851-$.DID. OR US-7222304-$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:25
S54	7084	concurrent$3 with (task process job) and (mobile near5 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 16:12
S55	92	S47 and S54	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 16:12
S56	43	S55 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 16:12

S57	8	US-20020080186-$.DID. OR US-20030011638-$.DID. OR US-6546263-$.DID. OR US-20050086611-$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2013/07/02 16:16
S58	7	"11294231"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 17:05
S59	21	overlay$3 with (notif$7 near3 icon) with application	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:09
S60	2	S59 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:10
S61	30	overlay$3 with (notif$7 near3 icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:10
S62	3	S61 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:10
S63	241	overlay$3 with display$3 with icon with (application program)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:36
S64	153	S63 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:36
S65	37	S64 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 12:00
S66	6681	715/750-760.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:34
S67	24592	multitask$3 concurrent$2 near2 task$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:34
S68	24592	multitask$3 (concurrent$2 near2 task$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:35
S69	24592	multitask$3 (concurrent$2 near2 task$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:35
S70	2	S69 and ((dialog (pop$1up near3 menu) icon) with (overla$4 superimpos$3) with (active) with (application module email SMS music))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:36
S71	2	S70 and (@rlad<"20050811"	US-PGPUB;	OR	ON	2013/07/05

		@pd<"20050811" @ad<"20050811")	USPAT; EPO; JPO; DERWENT			10:37
S72	40426	multi$1task$3 (concurrent$2 near2 task$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 11:16
S73	4	S72 and ((dialog (pop$1up near3 menu) icon) with (overla$4 superimpos$3) with (active) with (application module email SMS music))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 11:16
S74	3	S73 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 11:17
S75	2	display$3 with (task process application sms email browser music mp3) near5 icon with brighter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 16:55
S76	0	S75 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 16:56
S77	0	highlight$3 with ((task process application sms email browser music mp3) near5 icon) with brighter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:04
S78	781	highlight$3 with ((task process application sms email browser music mp3) near5 icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:04
S79	52	highlight$3 with (concurrent parallel background) with ((task process application sms email browser music mp3) near5 icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:05
S80	28	S79 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:05
S81	30	"10872983"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:07
S82	30	"11308436"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:08
S83	1	"11495863"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:10
S84	5	display$3 with (pop$1up popup) with brighter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:11
S85	2	S84 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO;	OR	ON	2013/11/22 17:11

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S86	63	(highlight$3 blink$3 flash$3) with (concurrent parallel background) with ((task process application sms email browser music mp3) near5 icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/25 13:45
S87	34	S86 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/25 13:47
S88	0	(alt with tap) with (task program) with (icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:16
S89	0	(alt with tap) with (task program) with (switch$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:16
S90	79	(alt with tap)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:16
S91	1377	(task program) with (switch$3) with (icon symbol)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:17
S92	0	S90 and S91	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:17
S93	0	S92 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:17
S94	44	S90 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:17
S95	12	S94 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:17
S96	817	(alt with tab)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:18
S97	42	S91 and S96	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:18
S98	27	S97 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:18
S99	10	(alt with tab) with (task program) with (icon symbol)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:24
S100	9	S99 and (@rlad<"20050811"	US-PGPUB;	OR	ON	2014/03/07

		@pd<"20050811" @ad<"20050811")	USPAT; EPO; JPO; DERWENT			14:24
S101	0	(alt with tab) with (task program) with (icon symbol) same bright$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:49
S102	0	(alt with tab) with (task program) with (icon symbol) and bright$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:50
S103	10	(alt with tab) with (task program) with (icon symbol)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:52
S104	0	(alt with tab) with (task program) with (icon symbol) same (bright$4 dim$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:53
S105	60	(alt with tab) with (task program window) with (icon symbol list)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:56
S106	0	(alt with tab) with (task program window) with (icon symbol list) same (bright$4 dim$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:56
S107	7	(alt with tab) with (task program window) with (icon symbol list) and (bright$4 dim$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:56
S108	3	S107 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:56
S109	40	S105 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:57
S110	3	"20060161847"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 15:00
S111	1	phone and (activat$3 with (music mp3) with control with pop$1up)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:26
S112	1	(phone cellphone) and (activat$3 with (music mp3) with control with pop$1up)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:26
S113	13	(phone cellphone) and (activat$3 with (music mp3) with control$4 with (short$1cut pop$1up))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:27
S114	0	S113 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 16:27

S115	79	(show$3 display$3 overlay$3 activat$3) with (music mp3) with control$4 with (short$1cut pop$1up)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:28
S116	6	S115 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 16:28
S117	13	(phone cellphone telephone) and (activat$3 with (music mp3) with control$4 with (short$1cut pop$1up))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:34
S118	13	(phone cellphone telephone device) and (activat$3 with (music mp3) with control$4 with (short$1cut pop$1up))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:34
S119	1405	(phone cellphone telephone device) and (activat$3 with (music mp3) with (control$3 short$1cut pop$1up))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:35
S120	14555	(phone cellphone telephone device) and ((display$3 activat$3 show$3)with (music mp3) with (control$3 short$1cut pop$1up))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:35
S121	14555	(phone cellphone telephone device) and ((display$3 activat$3 show$3) with (music mp3) with (control$3 short$1cut pop$1up))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:35
S122	117137	(phone cellphone telephone device) and ((display$3 activat$3 show$3 overlay$3) with (audio music mp3 media) with (control$3 short$1cut pop$1up))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:36
S123	62143	(phone cellphone telephone device) same ((display$3 activat$3 show$3 overlay$3) with (audio music mp3 media) with (control$3 short$1cut pop$1up))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:36
S124	549	(phone cellphone telephone device) same ((display$3 activat$3 show$3 overlay$3) with (audio music mp3) with (quick fast pop$1up short$1cut) with (control$3 menu))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:38
S125	286	S124 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 16:39
S126	457	(phone cellphone telephone device) with ((display$3 activat$3 show$3 overlay$3 launch$3) with (audio music mp3) with (quick fast pop$1up short$1cut) with (control$3 menu))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:41
S127	227	S126 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 16:42
S128	182	(phone cellphone telephone device) with ((display$3 activat$3 show$3 overlay$3 launch$3) with (music	US-PGPUB; USPAT; EPO; JPO;	OR	OFF	2014/09/16 16:42

		mp3) with (quick fast pop$1up short$1cut) with (control$3 menu))	DERWENT			
S129	94	S128 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 16:42
S130	140	((display$3 activat$3 show$3 overlay$3 launch$3) with (music mp3) with (pop$1up short$1cut) with (control$3 menu))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:44
S131	138	((display$3 activat$3 show$3 overlay$3 launch$3) with (music mp3) with (pop$1up short$1cut) with (control$3 menu)) and (phone cellphone telephone device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:45
S132	73	((display$3 activat$3 show$3 overlay$3 launch$3) with (music mp3) with (pop$1up short$1cut) with (control$3 menu)) same (phone cellphone telephone device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:45
S133	51	((display$3 activat$3 show$3 overlay$3 launch$3) with (music mp3) with (pop$1up short$1cut) with (control$3 menu)) same (phone cellphone telephone mobile)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:45
S134	7	S133 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 16:45
S135	66	((music mp3) with (pop$1up short$1cut) with (control$3 menu)) same (phone cellphone telephone mobile)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:46
S136	9	S135 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 16:46
S137	174	((display$3 activat$3 show$3 overlay$3 launch$3) with (music mp3 playback) with (pop$1up) with (control$3 menu)) and (phone cellphone telephone mobile)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 17:14
S138	63	S137 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 17:14
S139	24	S138 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 17:14
S140	445	((display$3 activat$3 show$3 overlay$3 launch$3 generat$3 start$3) with (music mp3 playback) with (pop$1up short$1cut) with (control$3 menu))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 17:24
S141	188	S140 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 17:24

S142	45	S141 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 17:24
S143	451	((display$3 activat$3 show$3 overlay$3 launch$3 generat$3 start$3) with (music mp3 playback) with (pop$1up short$1cut) with (command$3 control$3 menu))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 17:35
S144	310	((display$3 activat$3 show$3 overlay$3 launch$3 generat$3 start$3) with (music mp3 playback) with (pop$1up short$1cut) with (command$3 control$3 menu)) and (phone cellphone telephone mobile)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 17:36
S145	80	S144 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 17:36
S146	32	S145 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 17:36
S147	1428	((display$3 activat$3 show$3 overlay$3 launch$3 generat$3 start$3) with (pop$1up short$1cut) with (command$3 control$3 menu)) same (MP3 music media video audio) and (phone cellphone telephone mobile)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/17 12:05
S148	595	S147 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 12:05
S149	167	S148 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 12:05
S150	139	((display$3 activat$3 show$3 overlay$3 launch$3 generat$3 start$3) with (pop$1up short$1cut) with (command$3 control$3 menu) with (play$1back)) same (MP3 music media video audio) and (phone cellphone telephone mobile)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/17 12:07
S151	97	S150 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 12:07
S152	20	S151 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 12:07
S153	81	display$3 with (process application task) with icon with sequential$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/17 15:10
S154	23	S153 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO;	OR	ON	2014/09/17 15:10

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S155	9	S154 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:10
S156	3695	display$3 with (process application task) with icon with (sequential$2 one single)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/17 15:16
S157	1534	S156 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:17
S158	436	S157 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:17
S159	78	(pop$1up popup) with (command console) with (brigh$5 high$1light$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:24
S160	201	(pop$1up popup playback) with (command console) with (brigh$5 high$1light$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:24
S161	135	S160 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:24
S162	39	S161 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:24
S163	268	(display$3 constrast$3) with (pop$1up popup playback) with (command console control) with (brigh$5 high$1light$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:27
S164	45	S163 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:27
S165	17	S164 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:27
S166	105	S163 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:33
S167	50	S166 and (MP3 music media video audio) and (phone cellphone telephone mobile)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/17 15:34
S168	0	(display$3 constrast$3) with (pop$1up popup) with (command console control) with (brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:03
S169	0	(pop$1up popup) with (command	US-PGPUB;	OR	ON	2014/09/17

		console control) with (brighter)	USPAT; EPO; JPO; DERWENT			16:04
S170	33	(pop$1up popup) with (command console control) with (bright$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:04
S171	15	S170 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:04
S172	41	(pop$1up popup) with (command console control button) with (bright$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:06
S174	19	S172 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:06
S175	1	S174 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:06
S176	317	(pop$1up popup playback) with (command console control button) with (bright$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:07
S177	5	(pop$1up popup playback) with (command console control button) with (brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:07
S178	0	S177 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:07
S179	5	(pop$1up popup playback) with (bar command console control$3 button) with (brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:07
S180	72	(pop$1up popup playback) with (bar command console control$3 button) with (bright$3 clear$3) with screen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:11
S181	173	(pop$1up popup playback) with (bar command console control$3 button element screen) with (bright$3 clear$3) with screen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:11
S182	26	S181 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:12
S183	7	S182 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:12
S184	24	(pop$1up popup playback) with (bar command console control$3 button element screen) with bright$3 same screen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:13

S185	3	S184 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:14
S186	178	(pop$1up popup playback) with (bar command console control$3 button element screen) with (contrast$3 bright$3) same screen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:15
S187	556	(pop$1up popup playback) with (bar command console control$3 button element screen) with (flash$3 contrast$3 bright$3) same screen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:15
S188	272	S187 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:15
S189	33	S188 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:15
S190	2	"20030007015"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:49
S191	2	"5852440".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:50
S192	11	display$3 with ((task process application) near3 icon) with (intens$3 brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:06
S193	2	S192 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:07
S194	12	(color$3 colour$3 display$3 show$3 shad$3) with ((task process application) near3 icon) with (intens$3 brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:08
S195	3	S194 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:08
S196	28	((task process application) near3 icon) with (intens$3 brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:08
S197	4	((task process application) near3 icon) with (((higher greater) near2 intens$3) brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:09
S198	0	S197 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:13
S199	4	((task process application app) near3 icon) with (((higher greater) near2 intens$3) brighter)	US-PGPUB; USPAT; EPO; JPO;	OR	ON	2014/09/17 17:14

			DERWENT			
S200	4	((task process application app) near3 (thumbnail icon)) with (((higher greater) near2 intens$3) brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:14
S201	4	((task process application app) near3 (thumbnail icon)) with (((higher greater more) near2 intens$3) brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:15
S202	5	((task process application app) near3 (thumbnail icon)) with (((higher greater more) near3 intens$3) brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:15
S203	1	S202 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:15
S204	849	((task process application app) near3 (thumbnail icon)) with (((higher greater more) near3 intens$3) brighter highlight$3 flash$3 blink$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:16
S205	380	S204 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:17
S206	120	S205 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:17
S207	784	((task process application app) near3 (icon)) with (((higher greater more) near3 intens$3) brighter highlight$3 flash$3 blink$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:17
S208	299	S207 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:17
S209	112	S208 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:17
S210	658	((task application) near3 (icon)) with (((higher greater more) near3 intens$3) brighter highlight$3 flash$3 blink$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:18
S211	316	S210 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:19
S212	86	S211 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:19
S213	790	((task process application app) near3 (icon)) with (((higher greater more) near3 intens$3) brighter brighten$3 highlight$3 flash$3 blink$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 12:50
S214	369	S213 and (@rlad<"20050811"	US-PGPUB;	OR	ON	2014/09/18

		@pd<"20050811" @ad<"20050811")	USPAT; EPO; JPO; DERWENT			12:50
S215	112	S214 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 12:50
S216	5	((task process application app) near3 (icon)) with (((higher greater more) near3 intens$3) brighter brighten$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 12:51
S217	1	S216 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 12:51
S218	0	S217 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 12:51
S219	0	S216 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 12:51
S220	109	S215 and (mobile portable mp3 phone cellphone telephone device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 12:54
S221	384282	("715" "455").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 15:06
S222	1307488	(mobile portable mp3 phone cellphone telephone device) with (GUI interface)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 15:08
S223	504	(icon) with (((higher greater more) near3 intens$3) brighter brighten$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 15:09
S224	84	S221 and S222 and S223	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 15:09
S225	30	S224 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 15:09
S228	3	"20060101293"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 15:20

EAST Search History (Interference)

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9/18/2014 5:23:08 PM
C:\Users\cswift\Documents\EAST\Workspaces\EAST 11495863.wsp

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11495863	CHOI ET AL.
	Examiner	Art Unit
	CHARLES SWIFT	2196

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
718	100	10/16/2012	CS

SEARCH NOTES		
Search Notes	Date	Examiner
Inventor search in PALM	8/23/10	NK
Keyword search in EAST, see attached	8/23/10	NK
Subclasses 715/808 & 810 limited by keyword in EAST, see attached	3/10/11	NK
Keyword search in EAST, see attached	3/10/11	NK
NPL search in Google, see attached results	3/10/11	NK
Patent search in EAST and Google	10/16/2012	CS
NPL search in IEEE, ACM and Google	10/16/2012	CS
Limited text search in class 718/100	10/16/2012	CS
Double patenting search	10/16/2012	CS
Searched EAST and Google for patents	7/3/2013	CS
NPL search on IEEE, ACM and Google	7/3/2013	CS
Consulted Tadesse Hailu (AU 2173) for search help	7/3/2013	CS
Limited search on class 715/(750-760), see search queries attached	7/5/2013	CS
Double patenting search	7/5/2013	CS
Searched EAST and Google for patents	11/25/2013	CS
NPL search on IEEE, ACM and Google	11/25/2013	CS
Limited search on class 715/(750-760), see search queries attached	11/25/2013	CS
Double patenting search	11/25/2013	CS
Searched EAST and Google for patents	9/16/2014	CS

	/CHARLES SWIFT/ Primary Examiner.Art Unit 2196

SEARCH NOTES		
Search Notes	**Date**	**Examiner**
NPL search on IEEE, ACM and Google, terms used: (cellphone or phone or telephone or mobile device) and (task or process or work or application) and (icon) and (switching) and (popup or quick) and (controller or console) and (flashing or highlighting or brighter)	9/16/2014	CS
Limited search on class 715/(750-760), see search queries attached	9/16/2014	CS
Double patenting search	9/18/2014	CS

INTERFERENCE SEARCH			
US Class/ CPC Symbol	**US Subclass / CPC Group**	**Date**	**Examiner**

	/CHARLES SWIFT/ Primary Examiner.Art Unit 2196

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11495863	CHOI ET AL.
	Examiner	**Art Unit**
	CHARLES SWIFT	2196

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	08/23/2010	03/10/2011	10/16/2012	03/22/2013	07/05/2013	11/25/2013	09/18/2014		
	1	✓	✓	✓	✓	✓	✓	-		
	2	✓	-	-	-	-	-	-		
	3	✓	✓	✓	✓	✓	✓	-		
	4	✓	✓	✓	✓	✓	✓	✓		
	5	✓	✓	✓	✓	✓	✓	✓		
	6	✓	✓	✓	✓	✓	✓	✓		
	7	✓	✓	✓	✓	✓	✓	✓		
	8	✓	✓	✓	✓	✓	✓	✓		
	9							✓		
	10							✓		
	11							✓		
	12							✓		
	13							✓		
	14							✓		
	15							✓		

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	Docket No.: P4101US00
Seul Ki CHOI *et al.*	
Serial No.: 11/495,863	Group Art Unit: 2196
Confirmation No.: 3379	
Filed: July 28, 2006	Examiner: SWIFT, CHARLES M

For: **METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL**

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY UNDER 37 C.F.R. § 1.111

Dear Madam:

In response to the Non-Final Office Action dated September 23, 2014 ("Office Action"), Applicants respectfully request reconsideration of the Application in view of the following Amendments and Remarks.

Amendments to the Claims begin on page 2.

Remarks begin on page 6.

A Petition for a one (1)-month extension of time under 37 C.F.R. § 1.136(a) is filed to extend the period for response through January 23, 2015. No further extensions of time are required other than those in the accompanying Petition. If further extensions of time are necessary to prevent abandonment of this Application, then they are petitioned for under 37 C.F.R. § 1.136(a). No fees for net addition of claims are required at this time. Any fees required for further extensions of time or for the net addition of claims may be charged to our Deposit Account No. 50-3698.

AMENDMENTS TO THE CLAIMS

Please **AMEND** claims 4, 5, and 12 as shown below.

This claim list replaces all prior claim lists in the Application.

1-3. (Canceled)

4. (Currently Amended) A method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that performs the first work process and the second work process, the method comprising:

while performing the first work process, sequentially displaying icons corresponding to respective work processes of the mobile terminal, the sequentially displayed icons being displayed together with an item of the first work process in a display, and the sequentially displayed icons not including an icon corresponding to the second work;

in response to a first command for sequentially displaying icons, performing sequential display of icons such that the icon corresponding to the second work process is sequentially displayed, wherein the icon corresponding to the second work process is displayed in a designated portion of the display, and, in the designated portion, the icon corresponding to the second work process is configured to be replaced with an icon corresponding to a third work process in response to another first command;

in response to a second command for selecting the icon corresponding to the second work process among the sequentially displayed icons, displaying a screen of the second work process in replacement of [[the]]a screen of the first work process, wherein an icon to be displayed in the designated portion is replaced with another icon in response to the second

command;

controlling the multitasking of the second work process and the first work process in response to the second command;

in response to a third command for activating a pop-up for controlling a predetermined function of the ~~second~~first work process, activating the pop-up for controlling the predetermined function of the ~~second~~first work process; and

in response to a fourth command for controlling the predetermined function of the ~~second~~first work process through the activated pop-up, controlling the predetermined function of the ~~second~~first work process through the activated pop-up

5. (Currently Amended) The method of claim 4, wherein the controlling the predetermined function of the ~~second~~first work process comprises:

generating a control signal for controlling the predetermined function of the ~~second~~first work process in response to the fourth command; and

controlling the predetermined function of the ~~second~~first work process in response to the generated control signal.

6. (Previously Presented) The method of claim 4, further comprising:

in response to a fifth command for deactivating the activated pop-up,

7. (Previously Presented) The method of claim 6, wherein the third command and the fifth command are inputted through an identical key of the mobile terminal.

8. (Original) The method of claim 6, wherein the second work process is an MP3 play process.

9. (Previously Presented) The method of claim 4, wherein an item of the first work process is displayed brighter than the screen of the first work process.

10. (Previously Presented) The method of claim 6, wherein the third command and the fifth command are inputted through at least one of a predetermined key, a user's voice, and a motion of the mobile terminal.

11. (Previously Presented) The method of claim 4, wherein, in response to a repetition of the first command, performing sequential display of icons such that a displayed icon disappears from a screen of the mobile terminal and an icon appears on the screen of the mobile terminal.

12. (Currently Amended) A method for selecting a second work process during a first work process in a multitasking mobile terminal that performs the first work process and the second work process in a multitasking environment, the method comprising:

while performing the first work process, sequentially displaying icons corresponding to respective work processes of the mobile terminal, the sequentially displayed icons being displayed together with an item of the first work process in a display, and the sequentially displayed icons not including an icon corresponding to the second work process;

in response to a first command for sequentially displaying icons, performing sequential display of icons such that the icon corresponding to the second work process is sequentially displayed, wherein the icon corresponding to the second work process is displayed in a designated portion of the display, and, in the designated portion, the icon corresponding to the second work process is configured to be replaced with an icon corresponding to a third work

process in response to another first command;

in response to a second command for selecting the icon corresponding to the second work process among the sequentially displayed icons, displaying a screen of the second work process in replacement of a screen of the first work process, wherein an icon to be displayed in the designated portion is replaced with another icon in response to the second command; and

controlling the multitasking of the second work process and the first work process in response to the second command,

wherein an item of the second work process is displayed relatively brighter or clearer than an item of ~~another~~a work process other than the second work process.

13. (Previously Presented) The method of claim 12, wherein, in response to a repetition of the first command, performing sequential display of icons such that a displayed icon disappears from a screen of the mobile terminal and an icon appears on the screen of the mobile terminal.

14. (Previously Presented) The method of claim 12, wherein the first command and the second command are inputted through at least one of a predetermined key, a user's voice, and a motion of the mobile terminal.

15. (Previously Presented) The method of claim 12, wherein the screen of the first work process is displayed together with sequentially displayed icons corresponding to respective work processes of the mobile terminal.

REMARKS

Claims 4, 5, and 12 have been amended. Accordingly, claims 4-15 are currently pending in the Application, of which claims 4 and 12 are independent.

Applicants respectfully submit that the above amendments do not add new matter to the Application and are fully supported by the specification. Support for the amendments and added claims may be found at least in FIGS. 4-9, paragraphs [0026]-[0037], [0044] and [0048] of the specification.

In view of the above amendments and the following Remarks, Applicants respectfully request reconsideration and timely withdrawal of the pending objections and rejections for the reasons discussed below.

Rejections under 35 U.S.C. § 112, second paragraph

Claims 4-11 stand rejected under 35 U.S.C. § 112, second paragraph as being allegedly indefinite.

Claim 4 has been amended for clarification and not for the purpose of avoiding prior art or narrowing the claimed subject matter. Thus, Applicants do not intend to relinquish any subject matter by these amendments. Applicants respectfully submit that claim 4, as amended, and claims 5-11 depend therefrom fully comply with the requirements of 35 U.S.C. § 112, second paragraph.

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. § 112, second paragraph rejection of claims 4-11.

Rejections under 35 U.S.C. § 103

To establish an obviousness rejection under 35 U.S.C. § 103(a), four factual inquiries must be examined. The four factual inquiries include (a) determining the scope and contents of the prior art; (b) ascertaining the differences between the prior art and the claims in issue; (c) resolving the level of ordinary skill in the pertinent art; and (d) evaluating evidence of secondary consideration. *Graham v. John Deere*, 383 U.S. 1, 17-18 (1966).

In view of these four factors, the analysis supporting a rejection under 35 U.S.C. § 103(a) should be made explicit, and should "identify a reason that would have prompted a person of ordinary skill in the relevant field to combine the [prior art] elements" in the manner claimed. *KSR Int'l. Co. v. Teleflex, Inc.*, 127 S. Ct. 1727, 82 USPQ2d 1385, 1396 (2007). The Federal Circuit requires that "rejections on obviousness cannot be sustained with mere conclusory statements; instead, there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness." *In re Kahn*, 441 F.3d 977, 988, 78 USPQ2d 1329, 1336 (Fed. Cir. 2006).

Finally, even if the prior art may be combined, there must be a reasonable expectation of success, and the reference or references, when combined, must disclose or suggest every claimed feature. *See In re Vaeck*, 947 F.2d 488, 20 USPQ2d 1438 (Fed. Cir. 1991).

Claims 4-8, 10 and 11 stand rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over U.S. Patent No. 7,123,945, issued to Kokubo. ("Kokubo") in view of U.S. Patent Application Publication No. 2005/0183017, applied for by Cain, *et al.* ("Cain").

In the ***Response to Arguments*** section of the Office Action, the Examiner alleges that "the claim language merely claims "sequentially displaying icons", nowhere in the claim did the applicant specify the icons are sequentially displayed one at a time, thus under the broadest reasonable interpretation, Kokubo teaches the claimed limitations in full." Office Action at pages

15-16. Without conceding to the correctness of the Examiner's assertions, claim 4 has been amended for further clarification and to advance prosecution.

Amended claim 4 recites, inter alia:

> while performing the first work process, sequentially displaying icons corresponding to respective work processes of the mobile terminal, the sequentially displayed icons being displayed ***together with*** an item of the first work process ***in a display***, and ***the sequentially displayed icons not including an icon corresponding to the second work process***;
> in response to ***a first command*** for sequentially displaying icons, ***performing sequential display of icons such that the icon corresponding to the second work process is sequentially displayed***, wherein ***the icon corresponding to the second work process is displayed in a designated portion of the display***, and***, in the designated portion, the icon corresponding to the second work process is configured to be replaced with an icon corresponding to a third work process in response to another first command***;
> in response to a second command for selecting the icon corresponding to the second work process among the sequentially displayed icons, displaying a screen of the second work process in replacement of the screen of the first work process, ***wherein an icon to be displayed in the designated portion is replaced with another icon in response to the second command***. (emphasis added).

Kokubo discloses that when an operation is performed with input/call keys 162 or operation keys 164, a web browser is activated. Kokubo, col. 11 lines 3-5. The web browser is displayed on a main display unit 122. *Id.* at col. 11 lines 5-7. If the web browser is activated, an icon of the web browser is generated automatically or manually and displayed on a separate sub-display unit 142. *Id.* at e.g., col. 11 lines 9-33; FIG. 11. Subsequently, if a different application, e.g., an e-mail application, is activated, it is judged whether an icon 10 for the e-mail application is displayed on the sub-display unit 142. *Id.* at col. 11 lines 34-40. If the icon 10 for the e-mail application is displayed on the sub-display unit 142, switching to the e-mail application is performed and the e-mail screen is displayed on the main display unit 122. *Id.* at col. 11 lines 41-49. If the e-mail icon is not displayed on the sub-display unit 142, it is judged whether the e-mail application is in an automatic icon generation mode or not. *Id.* at col. 11

lines 49-54. Either the e-mail icon is generated automatically or manually, and the e-mail icon is displayed on the sub-display unit 142. *Id.* at col. 11 line 54 – col. 12 line 6.

According to Kokubo's configuration, a separate sub-display unit 142 is provided for a folder-type mobile phone, and icons for applications are cumulatively displayed on the sub-display unit 142. See e.g., *Id.* at FIGS. 11 and 12. However, Kokubo does not disclose or suggest a replacement of such icons with another icon. Furthermore, while maintaining the location of the previously displayed icons, Kokubo's configuration displays multiple icons simultaneously by adding new icons in the sub-display unit 142. *Id.* Thus, Kokubo fails to disclose or suggest at least "in response to ***a first command*** for sequentially displaying icons, ***performing sequential display of icons such that the icon corresponding to the second work process is sequentially displayed***, wherein ***the icon corresponding to the second work process is displayed in a designated portion of the display***, and***, in the designated portion, the icon corresponding to the second work process is configured to be replaced with an icon corresponding to a third work process in response to another first command***" as recited in amended claim 4. (emphasis added).

Further, when a screen of a second application replaces a screen of a first application in the main display unit 122 in response to an input, Kokubo's configuration does not replace an icon to be in the sub-display unit with another icon in response to the input. Thus, Kokubo also fails to disclose or suggest "in response to a second command for selecting the icon corresponding to the second work process among the sequentially displayed icons, displaying a screen of the second work process in replacement of the screen of the first work process, ***wherein an icon to be displayed in the designated portion is replaced with another icon in response to the second command***" as recited in amended claim 4.

Kokubo's configuration is customized for the use of the separate sub-display unit 142. Kokubo, e.g., FIGS. 11 and 12. Thus, Kokubo's configuration does not suggest the

incorporation of the above noted claimed features, and does not disclose or suggest "corresponding to respective work processes of the mobile terminal, the sequentially displayed icons being displayed ***together with*** an item of the first work process ***in a display***, and ***the sequentially displayed icons not including an icon corresponding to the second work process***".

Because Cain fails to cure such deficiencies of Kokubo, the Office Action fails to establish a *prima facie* case of obviousness of claim 4.

Accordingly, Applicants respectfully request withdrawal of the 35 U.S.C. § 103(a) rejection of claims 4. Claims 5-8, 10, and 11 depend from claim 4 and are allowable at least for this reason. Since none of the alleged prior art of record, whether taken alone or in any combination, discloses or suggests all the features of the claimed subject matter, Applicants respectfully submit that independent claim 4, and all the claims that depend therefrom, are allowable.

Claim 9 stands rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Kokubo and Cain, and further in view U.S. Patent Application Publication No. 2005/0229103, applied for by King ("King").

Applicants respectfully submit that claim 4 is allowable over Kokubo and Cain, and King fails to cure the deficiencies of Kokubo and Cain noted above with regard to claim 4. Hence, claim 9 is allowable at least because it depends from an allowable claim 4.

Claims 12-15 stand rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Kokubo, and in view of King.

Amended claim 12 includes features similar to those discussed above with respect to amended claim 4, and therefore, is patentable for at least the reasons similar to those discussed above with respect to claim 4.

Applicants respectfully submit that claim 12 is allowable over Kokubo, and King fails to cure the deficiencies of Kokubo noted above with regard to claim 12. Hence, claims 13-15 are allowable at least because they depend from an allowable claim 12.

CONCLUSION

A full and complete response has been made to the pending Office Action, and all of the stated grounds for rejection have been overcome or rendered moot. Accordingly, all pending claims are allowable, and the Application is in condition for allowance.

The Examiner is invited to contact Applicants' undersigned representative at the number below if it would expedite prosecution. Prompt and favorable consideration of this Reply is respectfully requested.

Respectfully submitted,

/dongil moon/

Dongil Moon
Reg. No. L0830

Date: January 23, 2015

CUSTOMER NUMBER: 58027
H.C. Park & Associates, PLC
1894 Preston White Drive
Reston, VA 20191
Tel: 703-288-5105
Fax: 703-288-5139
HCP/DM/mhk

PTO/AIA/22 (03-13)
Approved for use through 7/31/2016. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)

Docket Number (Optional): P4101US00

Application Number: 11/495,863

Filed: 2006-07-28

For: METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL

Art Unit: 2196

Examiner: SWIFT, CHARLES M

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above-identified application.

The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):

		Fee	Small Entity Fee	Micro Entity Fee	
☑	One month (37 CFR 1.17(a)(1))	$200	$100	$50	$ 200
☐	Two months (37 CFR 1.17(a)(2))	$600	$300	$150	$
☐	Three months (37 CFR 1.17(a)(3))	$1,400	$700	$350	$
☐	Four months (37 CFR 1.17(a)(4))	$2,200	$1,100	$550	$
☐	Five months (37 CFR 1.17(a)(5))	$3,000	$1,500	$750	$

☐ Applicant asserts small entity status. See 37 CFR 1.27.

☐ Applicant certifies micro entity status. See 37 CFR 1.29.
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

☐ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director has already been authorized to charge fees in this application to a Deposit Account.

☑ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 50-3698.

☑ Payment made via EFS-Web.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

I am the

☐ applicant.

☑ attorney or agent of record. Registration number L0830.

☐ attorney or agent acting under 37 CFR 1.34. Registration number _____.

/dongil moon/	2015-01-23
Signature	Date
Dongil Moon	703-288-5105
Typed or printed name	Telephone Number

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.

☑ * Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.136(a). The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	11495863
Filing Date:	28-Jul-2006
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Filer:	Hae-Chan Park
Attorney Docket Number:	P4101US00

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 1 month with $0 paid	1251	1	200	200
Miscellaneous:				
		Total in USD ($)		**200**

Electronic Acknowledgement Receipt	
EFS ID:	21295607
Application Number:	11495863
International Application Number:	
Confirmation Number:	3379
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Customer Number:	58027
Filer:	Hae-Chan Park/Dongil Moon
Filer Authorized By:	Hae-Chan Park
Attorney Docket Number:	P4101US00
Receipt Date:	23-JAN-2015
Filing Date:	28-JUL-2006
Time Stamp:	16:45:44
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$200
RAM confirmation Number	3736
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		P4101US00-Reply.pdf	139854 2fef9a77e846ce5cf8039f7b7b54bc17ea1e2724	yes	12
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Amendment/Req. Reconsideration-After Non-Final Reject		1	1	
	Claims		2	5	
	Applicant Arguments/Remarks Made in an Amendment		6	12	
Warnings:					
Information:					
2	Extension of Time	P4101US00-EOT.pdf	84217 be79950fc242300da0d1cba94e6d23c58f919e47	no	2
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	30453 c7bfc405218a4a0cb2bd2dc1ea7173931303fc94	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	254524		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/06 (09-11)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 11/495,863	Filing Date 07/28/2006	☐ To be Mailed

ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 = *		X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 = *		X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	01/23/2015	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 12	Minus	** 20	= 0	X $80 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	***3	= 0	X $420 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	**0**

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
/William Phillips/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/495,863	07/28/2006	Seul Ki Choi	P4101US00	3379

58027 7590 01/29/2015

H.C. PARK & ASSOCIATES, PLC
1894 PRESTON WHITE DRIVE
RESTON, VA 20191

EXAMINER	
SWIFT, CHARLES M	

ART UNIT	PAPER NUMBER
2196	

NOTIFICATION DATE	DELIVERY MODE
01/29/2015	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATENT@PARK-LAW.COM

Applicant-Initiated Interview Summary	Application No.	Applicant(s)	
	11/495,863	CHOI ET AL.	
	Examiner	Art Unit	
	CHARLES SWIFT	2196	

All participants (applicant, applicant's representative, PTO personnel):

(1) *CHARLES SWIFT*. (3)_____.

(2) *Dongil Moon (L0830)*. (4)_____.

Date of Interview: *22 January 2015*.

Type: ☒ Telephonic ☐ Video Conference
☐ Personal [copy given to: ☐ applicant ☐ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☒ No.
If Yes, brief description: _____.

Issues Discussed ☐101 ☐112 ☐102 ☐103 ☐Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: *1*.

Identification of prior art discussed: _____.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Discussed proposed amendment and informed the applicant that the proposed amendment should overcome the existing prior art combinations, no agreement on patentability was reached.

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/CHARLES SWIFT/ Primary Examiner, Art Unit 2196	

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews
Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:
- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:
1) A brief description of the nature of any exhibit shown or any demonstration conducted,
2) an identification of the claims discussed,
3) an identification of the specific prior art discussed,
4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
5) a brief identification of the general thrust of the principal arguments presented to the examiner,
   (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
6) a general indication of any other pertinent matters discussed, and
7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

58027 7590 04/22/2015

H.C. PARK & ASSOCIATES, PLC
1894 PRESTON WHITE DRIVE
RESTON, VA 20191

EXAMINER	
SWIFT, CHARLES M	
ART UNIT	PAPER NUMBER
2196	

DATE MAILED: 04/22/2015

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/495,863	07/28/2006	Seul Ki Choi	P4101US00	3379

TITLE OF INVENTION: Method for selecting and controlling second work process during first work process in multitasking mobile terminal

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$960	$0	$0	$960	07/22/2015

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

58027 7590 04/22/2015
H.C. PARK & ASSOCIATES, PLC
1894 PRESTON WHITE DRIVE
RESTON, VA 20191

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/495,863	07/28/2006	Seul Ki Choi	P4101US00	3379

TITLE OF INVENTION: Method for selecting and controlling second work process during first work process in multitasking mobile terminal

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nonprovisional	UNDISCOUNTED	$960	$0	$0	$960	07/22/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
SWIFT, CHARLES M	2196	718-100000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
- ❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
1 _____
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. The following fee(s) are submitted:
- ❑ Issue Fee
- ❑ Publication Fee (No small entity discount permitted)
- ❑ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
- ❑ A check is enclosed.
- ❑ Payment by credit card. Form PTO-2038 is attached.
- ❑ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)
- ❑ Applicant certifying micro entity status. See 37 CFR 1.29 — NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
- ❑ Applicant asserting small entity status. See 37 CFR 1.27 — NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
- ❑ Applicant changing to regular undiscounted fee status. — NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

PTOL-85 Part B (10-13) Approved for use through 10/31/2013. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/495,863	07/28/2006	Seul Ki Choi	P4101US00	3379

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EXAMINER	
SWIFT, CHARLES M	

ART UNIT	PAPER NUMBER
2196	

DATE MAILED: 04/22/2015

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Examiner-Initiated Interview Summary	Application No. 11/495,863	Applicant(s) CHOI ET AL.	
	Examiner CHARLES SWIFT	Art Unit 2196	

All participants (applicant, applicant's representative, PTO personnel):

(1) *CHARLES SWIFT*. (3)_____.

(2) *Dongll Moon (L0830)*. (4)_____.

Date of Interview: *08 April 2015*.

Type: ☒ Telephonic ☐ Video Conference
☐ Personal [copy given to: ☐ applicant ☐ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☒ No.
If Yes, brief description: _____.

Issues Discussed ☐101 ☐112 ☐102 ☐103 ☐Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: *4*.

Identification of prior art discussed: _____.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Called applicant to suggest ways to amend claimed limitations to place application in condition for allowance, applicant has agreed to the proposal and authorized the examiner's amendment.

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/CHARLES SWIFT/ Primary Examiner, Art Unit 2196	

Notice of Allowability	Application No. 11/495,863	Applicant(s) CHOI ET AL.	
	Examiner CHARLES SWIFT	Art Unit 2196	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *1/23/2015*.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on_____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are *4 - 15*. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov .
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☒ All b) ☐ Some *c) ☐ None of the:
   1. ☒ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
4. ☒ Interview Summary (PTO-413), Paper No./Mail Date *4/8/2015* .
5. ☒ Examiner's Amendment/Comment
6. ☒ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/CHARLES SWIFT/
Primary Examiner, Art Unit 2196

1. The present application is being examined under the pre-AIA first to invent provisions.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with DongIl Moon (L0830) on 4/8/2015.

Please replace claims 4 and 12 with the following:

4. (Currently Amended) A method for controlling a predetermined function of a second work process during a first work process in a multitasking mobile terminal that performs the first work process and the second work process, the method comprising:

while performing the first work process, ~~sequentially~~ displaying [[icons]] an icon corresponding to the first work process ~~respective work processes of the mobile terminal~~, the ~~sequentially~~ displayed [[icons]] icon being displayed together with ~~an item~~ a screen of the first work process in a display, wherein the icon corresponding to the first work process is displayed in a designated portion of the display, [[and]] the ~~sequentially~~ displayed [[icons]] icon corresponding to the first work process not including

an icon corresponding to the second work process;

in response to a first command for sequentially displaying icons, performing sequential display of icons such that the icon corresponding to the second work process is ~~sequentially~~ displayed, wherein the icon corresponding to the second work process is displayed in [[a]] the designated portion of the display replacing the icon corresponding to the first work process, and, in the designated portion of the display, the icon corresponding to the second work process is configured to be replaced with an icon corresponding to a third work process in response to another first command;

in response to a second command for selecting the icon corresponding to the second work process among the sequentially displayed icons, ~~displaying~~ replacing ~~a screen of the second work process in replacement of a~~ the screen of the first work process with a screen of the second work process, wherein an icon to be displayed in the designated portion is replaced with ~~another~~ an icon that is different from the icon corresponding to the second work process in response to the second command;

controlling the multitasking of the second work process and the first work process in response to the second command;

in response to a third command for activating a pop-up for controlling a predetermined function of the first work process, activating the pop-up for controlling the predetermined function of the first work process; and

in response to a fourth command for controlling the predetermined function of the first work process through the activated pop-up, controlling the predetermined function of the first work process through the activated pop-up.

12. (Currently Amended) A method for selecting a second work process during a first work process in a multitasking mobile terminal that performs the first work process and the second work process in a multitasking environment, the method comprising:

while performing the first work process, ~~sequentially~~ displaying [[icons]] an icon corresponding to the first work process ~~respective work processes of the mobile terminal~~, the ~~sequentially~~ displayed [[icons]]icon being displayed together with ~~an item~~ a screen of the first work process in a display, wherein the icon corresponding to the first work process is displayed in a designated portion of the display, [[and]] the ~~sequentially~~ displayed [[icons]] icon corresponding to the first work process not including an icon corresponding to the second work process;

in response to a first command for sequentially displaying icons, performing sequential display of icons such that the icon corresponding to the second work process is ~~sequentially~~ displayed, wherein the icon corresponding to the second work process is displayed in [[a]] the designated portion of the display replacing the icon corresponding to the first work process, and, in the designated portion of the display, the icon corresponding to the second work process is configured to be replaced with an icon corresponding to a third work process in response to another first command;

in response to a second command for selecting the icon corresponding to the second work process among the sequentially displayed icons, ~~displaying~~ replacing ~~a screen of the second work process in replacement of a~~ the screen of the first work

process with a screen of the second work process, wherein an icon to be displayed in the designated portion is replaced with ~~another~~ an icon that is different from the icon corresponding to the second work process in response to the second command; and controlling the multitasking of the second work process and the first work process in response to the second command,

wherein an item of the second work process is displayed relatively brighter or clearer than an item of a work process other than the second work process.

REASONS FOR ALLOWANCE

3. Claims 4 – 15 are allowed.

4. The following is an examiner's statement of reasons for allowance:

Claims 4 – 15 are allowable over the prior art of record because the Examiner found neither prior art cited in its entirety, nor based on the prior art, found any motivation to combine any of the said prior arts.

As per independent claim 4, the primary reason for allowance is the inclusion of "while performing the first work process, displaying an icon corresponding to the first work process, the displayed icon being displayed together with a screen of the first work process in a display, wherein the icon corresponding to the first work process is displayed in a designated portion of the display, the displayed icon corresponding to the first work process not including an icon corresponding to the second work process; in response to a first command for sequentially displaying icons, performing sequential

display of icons such that the icon corresponding to the second work process is displayed, wherein the icon corresponding to the second work process is displayed in the designated portion of the display replacing the icon corresponding to the first work process, and, in the designated portion of the display, the icon corresponding to the second work process is configured to be replaced with an icon corresponding to a third work process in response to another first command; in response to a second command for selecting the icon corresponding to the second work process among the sequentially displayed icons, replacing the screen of the first work process with a screen of the second work process, wherein an icon to be displayed in the designated portion is replaced with an icon that is different from the icon corresponding to the second work process in response to the second command" in conjunction with the rest of the limitations of the claim.

As per independent claim 12, the primary reason for allowance is the inclusion of "while performing the first work process, displaying an icon corresponding to the first work process, the displayed icon being displayed together with a screen of the first work process in a display, wherein the icon corresponding to the first work process is displayed in a designated portion of the display, the displayed icon corresponding to the first work process not including an icon corresponding to the second work process; in response to a first command for sequentially displaying icons, performing sequential display of icons such that the icon corresponding to the second work process is displayed, wherein the icon corresponding to the second work process is displayed in the designated portion of the display replacing the icon corresponding to the first work

process, and, in the designated portion of the display, the icon corresponding to the second work process is configured to be replaced with an icon corresponding to a third work process in response to another first command; in response to a second command for selecting the icon corresponding to the second work process among the sequentially displayed icons, replacing the screen of the first work process with a screen of the second work process, wherein an icon to be displayed in the designated portion is replaced with an icon that is different from the icon corresponding to the second work process in response to the second command" in conjunction with the rest of the limitations of the claim.

The remaining claims, not specifically mentioned, are allowed because they are dependent upon the claim mentioned above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHARLES SWIFT whose telephone number is (571)270-7756. The examiner can normally be reached on Monday through Thursday, 9:00AM to 6:00PM, Friday 10:30AM - 3:30PM, Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emerson Puente can be reached on (571)272-3652. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/CHARLES SWIFT/
Primary Examiner, Art Unit 2196

Examiner-Initiated Interview Summary	Application No. 11/495,863	Applicant(s) CHOI ET AL.	
	Examiner CHARLES SWIFT	Art Unit 2196	

All participants (applicant, applicant's representative, PTO personnel):

(1) *CHARLES SWIFT*. (3)_____.

(2) *Dongll Moon (L0830)*. (4)_____.

Date of Interview: *08 April 2015*.

Type: ☒ Telephonic ☐ Video Conference
☐ Personal [copy given to: ☐ applicant ☐ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☒ No.
If Yes, brief description: _____.

Issues Discussed ☐101 ☐112 ☐102 ☐103 ☐Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: *4*.

Identification of prior art discussed: _____.

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

Called applicant to suggest ways to amend claimed limitations to place application in condition for allowance, applicant has agreed to the proposal and authorized the examiner's amendment.

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/CHARLES SWIFT/ Primary Examiner, Art Unit 2196	

Notice of References Cited	Application/Control No. 11/495,863	Applicant(s)/Patent Under Reexamination CHOI ET AL.	
	Examiner CHARLES SWIFT	Art Unit 2196	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2007/0192741	08-2007	Yoritate et al.	715/828
*	B	US-6,388,686	05-2002	Hetherington et al.	715/810
*	C	US-7,623,119	11-2009	Autio et al.	345/173
*	D	US-7,546,188	06-2009	Nezu et al.	701/36
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11495863	CHOI ET AL.
	Examiner	**Art Unit**
	CHARLES SWIFT	2196

CPC						
Symbol					**Type**	**Version**
G06F		9	/	4843	F	2013-01-01
G06F		3	/	048	I	2013-01-01
G06F		3	/	04817	I	2013-01-01
G06F		3	/	0482	I	2013-01-01
G06F		3	/	0481	I	2013-01-01
G06F		9	/	4443	I	2013-01-01
G06F		9	/	485	I	2013-01-01
G06F		9	/	4806	I	2013-01-01
G06F		9	/	4881	I	2013-01-01
G06F		9	/	48	I	2013-01-01
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			/			
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CPC Combination Sets							
Symbol					**Type**	**Set**	**Ranking**	**Version**
			/					
			/					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	12	
/CHARLES SWIFT/ Primary Examiner.Art Unit 2196	04/16/2015	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	4	8B

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11495863	CHOI ET AL.
	Examiner	**Art Unit**
	CHARLES SWIFT	2196

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
718	100

CROSS REFERENCE(S)

CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
718	102	103			
715	700	764	778	779	781
715	802	804	805	808	817
715	828	829	846	847	864

INTERNATIONAL CLASSIFICATION														
CLAIMED					**NON-CLAIMED**									
G	0	6	F	9 / 46 (2006.01.01)										
G	0	6	F	3 / 00 (2006.01.01)										
G	0	6	F	3 / 048 (2013.01.01)										
G	0	6	F	3 / 14 (2006.01.01)										

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	12	
/CHARLES SWIFT/ Primary Examiner.Art Unit 2196	04/16/2015	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	4	8B

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11495863	CHOI ET AL.
	Examiner	**Art Unit**
	CHARLES SWIFT	2196

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
	1														
	2														
	3														
1	4														
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4	7														
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7	10														
8	11														
9	12														
10	13														
11	14														
12	15														

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 12	
/CHARLES SWIFT/ Primary Examiner.Art Unit 2196 (Primary Examiner)	04/16/2015 (Date)	O.G. Print Claim(s) 4	O.G. Print Figure 8B

U.S. Patent and Trademark Office Part of Paper No. 20150416

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11495863	CHOI ET AL.
	Examiner	Art Unit
	CHARLES SWIFT	2196

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
718	100	10/16/2012	CS

SEARCH NOTES		
Search Notes	Date	Examiner
Inventor search in PALM	8/23/10	NK
Keyword search in EAST, see attached	8/23/10	NK
Subclasses 715/808 & 810 limited by keyword in EAST, see attached	3/10/11	NK
Keyword search in EAST, see attached	3/10/11	NK
NPL search in Google, see attached results	3/10/11	NK
Patent search in EAST and Google	10/16/2012	CS
NPL search in IEEE, ACM and Google	10/16/2012	CS
Limited text search in class 718/100	10/16/2012	CS
Double patenting search	10/16/2012	CS
Searched EAST and Google for patents	7/3/2013	CS
NPL search on IEEE, ACM and Google	7/3/2013	CS
Consulted Tadesse Hailu (AU 2173) for search help	7/3/2013	CS
Limited search on class 715/(750-760), see search queries attached	7/5/2013	CS
Double patenting search	7/5/2013	CS
Searched EAST and Google for patents	11/25/2013	CS
NPL search on IEEE, ACM and Google	11/25/2013	CS
Limited search on class 715/(750-760), see search queries attached	11/25/2013	CS
Double patenting search	11/25/2013	CS
Searched EAST and Google for patents	9/16/2014	CS

	/CHARLES SWIFT/ Primary Examiner.Art Unit 2196

SEARCH NOTES		
Search Notes	**Date**	**Examiner**
NPL search on IEEE, ACM and Google, terms used: (cellphone or phone or telephone or mobile device) and (task or process or work or application) and (icon) and (switching) and (popup or quick) and (controller or console) and (flashing or highlighting or brighter)	9/16/2014	CS
Limited search on class 715/(750-760), see search queries attached	9/16/2014	CS
Double patenting search	9/18/2014	CS
Searched EAST and Google for patents	4/6/2015	CS
NPL search on IEEE, ACM and Google, terms used: (cellphone or phone or telephone or mobile device) and (task or process or work or application) and (icon) and (switching) and (popup or quick) and (controller or console) and (flashing or highlighting or brighter)	4/6/2015	CS
Limited text search in 718/(100 102 103), 715/(700,764,778,779,781,802,804,805,808,817,828,829,846,847,864)	4/16/2015	CS
Limited text search in CPC class (G06F3/048 G06F3/0481 G06F3/04817 G06F3/0482 G06F9/48 G06F9/4806 G06F9/4843 G06F9/485 G06F9/4881 G06F9/4443)	4/16/2015	CS
Double patenting search	4/16/2015	CS

INTERFERENCE SEARCH			
US Class/ CPC Symbol	**US Subclass / CPC Group**	**Date**	**Examiner**
718	100 102 103	4/16/2015	CS
715	700,764,778,779,781,802,804,805,808,817,828,829,846,847,864	4/16/2015	CS
	G06F3/048 G06F3/0481 G06F3/04817 G06F3/0482 G06F9/48 G06F9/4806 G06F9/4843 G06F9/485 G06F9/4881 G06F9/4443	4/16/2015	CS

	/CHARLES SWIFT/ Primary Examiner.Art Unit 2196

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	13902	718/100,102,103.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 17:48
L4	339	715/828.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 17:52
L5	2539	(task program process) with switch$3 same (shortcut icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 17:53
L6	0	4 and 5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 17:53
L7	10310	(task program process window screen) with (switch$3 focus$3) same (shortcut icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 17:53
L8	22	4 and 7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 17:53
L9	12	8 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 17:54
L10	751153	(task program process window screen) with (switch$3 focus$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 17:55
L11	567898	(task program process) with (switch$3 focus$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 17:55
L12	35	4 and 11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 17:55
L13	17	12 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 17:55
L16	35211	(task program process window screen) with (switch$3 focus$3) with (icon object shortcut)	US-PGPUB; USPAT; EPO; JPO;	OR	ON	2015/04/16 18:08

			DERWENT			
L19	1095	(pop$1up popup playback) with (bar command console control$3 button element screen) with (flash$3 contrast$3 bright$3) same (window display screen)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 18:09
L24	103	16 and 19	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 18:12
L25	19155	715/700,764,778,779,781,802,804,805,808,817,828,829,846,847,864.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 18:12
L26	43006	(G06F3/048 G06F3/0481 G06F3/04817 G06F3/0482 G06F9/48 G06F9/4806 G06F9/4843 G06F9/485 G06F9/4881 G06F9/4443).cpc.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 18:12
L27	67212	1 or 25 or 26	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 18:12
L28	11	24 and 27	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 18:12
L29	5	28 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 18:12
L34	49577	(task program process) with (icon shortcut)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 18:16
L35	68	4 and 34	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 18:16
L36	28	35 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2015/04/16 18:16
S1	2	"7123945".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 11:50
S2	146	sequential$2 with (display$3 show$3) with icon with order	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:39
S3	29	S2 and (mobile near3 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:39
S4	5	S3 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT;	OR	ON	2012/10/16 12:39

			EPO; JPO; DERWENT			
S5	228	sequential$2 with (display$3 show$3) with ((icon symbol) near5 (work process)) with order	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
S6	23	S5 and (mobile near3 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
S7	0	S6 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
S8	6	S5 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:42
S9	536	(display$3 show$3) with ((icon symbol) near5 (work process)) with order	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:46
S10	789	(display$3 show$3) with ((icon symbol) near5 (work process)) with (order sequen$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:46
S11	40	S2 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47
S12	594990	11and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47
S13	97	S10 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47
S14	30	S13 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:47
S15	171	S9 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:55
S16	163	S15 not S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:55
S17	2	S16 and "455".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 12:55
S18	544	(display$3 show$3) with ((icon symbol) near5 (work process)) with order$3	US-PGPUB;	OR	ON	2012/10/16 13:34

			USPAT; EPO; JPO; DERWENT			
S19	176	S18 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:35
S20	5	S19 not S15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:35
S21	34	(display$3 show$3) with ((icon symbol) near5 (work process)) with order$3 with arrang$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:36
S22	8	(display$3 show$3) with ((icon symbol) near5 (work process)) with order$3 with priority	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:36
S23	1	S22 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:37
S24	633	(arrang$3 display$3 show$3) with ((icon symbol) near5 (work process)) with (order$3 priority)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:42
S25	211	S24 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:42
S26	33	S25 and ("718" "715" "709").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:42
S27	0	S26 and (mobile adj3 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:43
S28	0	S26 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:43
S29	11	S25 and (mobile near3 (terminal device))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:43
S30	35	(arrang$3) with (display$3 show$3) with ((icon symbol) near5 (work process)) with (order$3 priority)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:48
S31	16	S30 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2012/10/16 13:48
S32	2	"20020080186"	US-	OR	ON	2012/10/16

			PGPUB; USPAT; EPO; JPO; DERWENT			14:13
S33	0	(arrang$3) with (display$3 show$3) with ((icon symbol) near5 (work process)) with (order$3 priority) with (active current)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/02/22 17:05
S34	0	(input$4 enter$4) with (command) with (display$3 show$3) with icon with (active near5 (process))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:30
S35	0	(command) with (display$3 show$3) with icon with (active near5 (process))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:30
S36	4	(command) with (display$3 show$3) with icon with (active near5 (program task process))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:31
S37	2	S36 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:31
S38	0	command$3 with (generat$3 creat$3) with (list) with icon with (active near4 (process program task))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:34
S39	2	(generat$3 creat$3) with (list) with icon with (active near4 (process program task))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:35
S40	2	S39 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:35
S41	15	("7123945").URPN.	USPAT	OR	ON	2013/03/22 17:37
S42	2	S41 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:37
S43	12	("20010016508" "20020002060" "20020077156" "20030013483" "20030045315" "20030232628").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/03/22 17:40
S44	24	(icon indicator) with overlay$3 with (current near3 (process screen))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:18
S45	21	S44 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:19
S46	9112	switch$3 with active with (application software interface)	US-PGPUB; USPAT;	OR	ON	2013/07/02 15:21

			EPO; JPO; DERWENT			
S47	9214	switch$3 with active with (application software interface GUI UI)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:21
S48	5674	S47 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:21
S49	1115	sequential$2 with (display$3 show$3) with icon	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:22
S50	3620	sequential$2 with (display$3 show$3) with (symbol icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:22
S51	2	S48 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:22
S52	515	S48 and (mobile near3 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:22
S53	8	US-20030013483-$.DID. OR US-7123945-$.DID. OR US-20060247851-$.DID. OR US-7222304-$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2013/07/02 15:25
S54	7084	concurrent$3 with (task process job) and (mobile near5 device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 16:12
S55	92	S47 and S54	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 16:12
S56	43	S55 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 16:12
S57	8	US-20020080186-$.DID. OR US-20030011638-$.DID. OR US-6546263-$.DID. OR US-20050086611-$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2013/07/02 16:16
S58	7	"11294231"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/02 17:05
S59	21	overlay$3 with (notif$7 near3 icon) with application	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:09

S60	2	S59 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:10
S61	30	overlay$3 with (notif$7 near3 icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:10
S62	3	S61 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:10
S63	241	overlay$3 with display$3 with icon with (application program)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:36
S64	153	S63 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 11:36
S65	37	S64 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/03 12:00
S66	6681	715/750-760.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:34
S67	24592	multitask$3 concurrent$2 near2 task$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:34
S68	24592	multitask$3 (concurrent$2 near2 task$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:35
S69	24592	multitask$3 (concurrent$2 near2 task$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:35
S70	2	S69 and ((dialog (pop$1up near3 menu) icon) with (overla$4 superimpos$3) with (active) with (application module email SMS music))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:36
S71	2	S70 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 10:37
S72	40426	multi$1task$3 (concurrent$2 near2 task$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 11:16
S73	4	S72 and ((dialog (pop$1up near3 menu) icon) with (overla$4 superimpos$3) with (active) with (application module email SMS music))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 11:16

S74	3	S73 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/07/05 11:17
S75	2	display$3 with (task process application sms email browser music mp3) near5 icon with brighter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 16:55
S76	0	S75 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 16:56
S77	0	highlight$3 with ((task process application sms email browser music mp3) near5 icon) with brighter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:04
S78	781	highlight$3 with ((task process application sms email browser music mp3) near5 icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:04
S79	52	highlight$3 with (concurrent parallel background) with ((task process application sms email browser music mp3) near5 icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:05
S80	28	S79 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:05
S81	30	"10872983"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:07
S82	30	"11308436"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:08
S83	1	"11495863"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:10
S84	5	display$3 with (pop$1up popup) with brighter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:11
S85	2	S84 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/22 17:11
S86	63	(highlight$3 blink$3 flash$3) with (concurrent parallel background) with ((task process application sms email browser music mp3) near5 icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/25 13:45
S87	34	S86 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2013/11/25 13:47

S88	0	(alt with tap) with (task program) with (icon)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:16
S89	0	(alt with tap) with (task program) with (switch$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:16
S90	79	(alt with tap)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:16
S91	1377	(task program) with (switch$3) with (icon symbol)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:17
S92	0	S90 and S91	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:17
S93	0	S92 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:17
S94	44	S90 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:17
S95	12	S94 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:17
S96	817	(alt with tab)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:18
S97	42	S91 and S96	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:18
S98	27	S97 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:18
S99	10	(alt with tab) with (task program) with (icon symbol)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:24
S100	9	S99 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:24
S101	0	(alt with tab) with (task program) with (icon symbol) same bright$4	US-PGPUB; USPAT; EPO; JPO;	OR	ON	2014/03/07 14:49

			DERWENT			
S102	0	(alt with tab) with (task program) with (icon symbol) and bright$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:50
S103	10	(alt with tab) with (task program) with (icon symbol)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:52
S104	0	(alt with tab) with (task program) with (icon symbol) same (bright$4 dim$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:53
S105	60	(alt with tab) with (task program window) with (icon symbol list)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:56
S106	0	(alt with tab) with (task program window) with (icon symbol list) same (bright$4 dim$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:56
S107	7	(alt with tab) with (task program window) with (icon symbol list) and (bright$4 dim$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:56
S108	3	S107 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:56
S109	40	S105 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 14:57
S110	3	"20060161847"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/03/07 15:00
S111	1	phone and (activat$3 with (music mp3) with control with pop$1up)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:26
S112	1	(phone cellphone) and (activat$3 with (music mp3) with control with pop$1up)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:26
S113	13	(phone cellphone) and (activat$3 with (music mp3) with control$4 with (short$1cut pop$1up))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:27
S114	0	S113 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 16:27
S115	79	(show$3 display$3 overlay$3 activat$3) with (music mp3) with control$4 with (short$1cut pop$1up)	US-PGPUB; USPAT;	OR	OFF	2014/09/16 16:28

			EPO; JPO; DERWENT			
S116	6	S115 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 16:28
S117	13	(phone cellphone telephone) and (activat$3 with (music mp3) with control$4 with (short$1cut pop$1up))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:34
S118	13	(phone cellphone telephone device) and (activat$3 with (music mp3) with control$4 with (short$1cut pop$1up))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:34
S119	1405	(phone cellphone telephone device) and (activat$3 with (music mp3) with (control$3 short$1cut pop$1up))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:35
S120	14555	(phone cellphone telephone device) and ((display$3 activat$3 show$3)with (music mp3) with (control$3 short$1cut pop$1up))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:35
S121	14555	(phone cellphone telephone device) and ((display$3 activat$3 show$3) with (music mp3) with (control$3 short$1cut pop$1up))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:35
S122	117137	(phone cellphone telephone device) and ((display$3 activat$3 show$3 overlay$3) with (audio music mp3 media) with (control$3 short$1cut pop$1up))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:36
S123	62143	(phone cellphone telephone device) same ((display$3 activat$3 show$3 overlay$3) with (audio music mp3 media) with (control$3 short$1cut pop$1up))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:36
S124	549	(phone cellphone telephone device) same ((display$3 activat$3 show$3 overlay$3) with (audio music mp3) with (quick fast pop$1up short$1cut) with (control$3 menu))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:38
S125	286	S124 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 16:39
S126	457	(phone cellphone telephone device) with ((display$3 activat$3 show$3 overlay$3 launch$3) with (audio music mp3) with (quick fast pop$1up short$1cut) with (control$3 menu))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:41
S127	227	S126 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 16:42
S128	182	(phone cellphone telephone device) with ((display$3 activat$3 show$3 overlay$3 launch$3) with (music mp3) with (quick fast pop$1up short$1cut) with (control$3 menu))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:42
S129	94	S128 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB;	OR	ON	2014/09/16 16:42

			USPAT; EPO; JPO; DERWENT			
S130	140	((display$3 activat$3 show$3 overlay$3 launch$3) with (music mp3) with (pop$1up short$1cut) with (control$3 menu))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:44
S131	138	((display$3 activat$3 show$3 overlay$3 launch$3) with (music mp3) with (pop$1up short$1cut) with (control$3 menu)) and (phone cellphone telephone device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:45
S132	73	((display$3 activat$3 show$3 overlay$3 launch$3) with (music mp3) with (pop$1up short$1cut) with (control$3 menu)) same (phone cellphone telephone device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:45
S133	51	((display$3 activat$3 show$3 overlay$3 launch$3) with (music mp3) with (pop$1up short$1cut) with (control$3 menu)) same (phone cellphone telephone mobile)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:45
S134	7	S133 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 16:45
S135	66	((music mp3) with (pop$1up short$1cut) with (control$3 menu)) same (phone cellphone telephone mobile)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 16:46
S136	9	S135 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 16:46
S137	174	((display$3 activat$3 show$3 overlay$3 launch$3) with (music mp3 playback) with (pop$1up) with (control$3 menu)) and (phone cellphone telephone mobile)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 17:14
S138	63	S137 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 17:14
S139	24	S138 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 17:14
S140	445	((display$3 activat$3 show$3 overlay$3 launch$3 generat$3 start$3) with (music mp3 playback) with (pop$1up short$1cut) with (control$3 menu))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 17:24
S141	188	S140 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 17:24
S142	45	S141 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 17:24
S143	451	((display$3 activat$3 show$3 overlay$3 launch$3 generat$3 start$3) with	US-	OR	OFF	2014/09/16

		(music mp3 playback) with (pop$1up short$1cut) with (command$3 control$3 menu))	PGPUB; USPAT; EPO; JPO; DERWENT			17:35
S144	310	((display$3 activat$3 show$3 overlay$3 launch$3 generat$3 start$3) with (music mp3 playback) with (pop$1up short$1cut) with (command$3 control$3 menu)) and (phone cellphone telephone mobile)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/16 17:36
S145	80	S144 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 17:36
S146	32	S145 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/16 17:36
S147	1428	((display$3 activat$3 show$3 overlay$3 launch$3 generat$3 start$3) with (pop$1up short$1cut) with (command$3 control$3 menu)) same (MP3 music media video audio) and (phone cellphone telephone mobile)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/17 12:05
S148	595	S147 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 12:05
S149	167	S148 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 12:05
S150	139	((display$3 activat$3 show$3 overlay$3 launch$3 generat$3 start$3) with (pop$1up short$1cut) with (command$3 control$3 menu) with (play$1back)) same (MP3 music media video audio) and (phone cellphone telephone mobile)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/17 12:07
S151	97	S150 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 12:07
S152	20	S151 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 12:07
S153	81	display$3 with (process application task) with icon with sequential$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/17 15:10
S154	23	S153 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:10
S155	9	S154 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:10
S156	3695	display$3 with (process application task) with icon with (sequential$2 one single)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/17 15:16

S157	1534	S156 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:17
S158	436	S157 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:17
S159	78	(pop$1up popup) with (command console) with (brigh$5 high$1light$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:24
S160	201	(pop$1up popup playback) with (command console) with (brigh$5 high$1light$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:24
S161	135	S160 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:24
S162	39	S161 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:24
S163	268	(display$3 constrast$3) with (pop$1up popup playback) with (command console control) with (brigh$5 high$1light$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:27
S164	45	S163 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:27
S165	17	S164 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:27
S166	105	S163 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 15:33
S167	50	S166 and (MP3 music media video audio) and (phone cellphone telephone mobile)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2014/09/17 15:34
S168	0	(display$3 constrast$3) with (pop$1up popup) with (command console control) with (brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:03
S169	0	(pop$1up popup) with (command console control) with (brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:04
S170	33	(pop$1up popup) with (command console control) with (bright$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:04

S171	15	S170 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:04
S172	41	(pop$1up popup) with (command console control button) with (bright$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:06
S174	19	S172 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:06
S175	1	S174 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:06
S176	317	(pop$1up popup playback) with (command console control button) with (bright$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:07
S177	5	(pop$1up popup playback) with (command console control button) with (brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:07
S178	0	S177 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:07
S179	5	(pop$1up popup playback) with (bar command console control$3 button) with (brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:07
S180	72	(pop$1up popup playback) with (bar command console control$3 button) with (bright$3 clear$3) with screen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:11
S181	173	(pop$1up popup playback) with (bar command console control$3 button element screen) with (bright$3 clear$3) with screen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:11
S182	26	S181 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:12
S183	7	S182 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:12
S184	24	(pop$1up popup playback) with (bar command console control$3 button element screen) with bright$3 same screen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:13
S185	3	S184 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:14

S186	178	(pop$1up popup playback) with (bar command console control$3 button element screen) with (contrast$3 bright$3) same screen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:15
S187	556	(pop$1up popup playback) with (bar command console control$3 button element screen) with (flash$3 contrast$3 bright$3) same screen	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:15
S188	272	S187 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:15
S189	33	S188 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:15
S190	2	"20030007015"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:49
S191	2	"5852440".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 16:50
S192	11	display$3 with ((task process application) near3 icon) with (intens$3 brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:06
S193	2	S192 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:07
S194	12	(color$3 colour$3 display$3 show$3 shad$3) with ((task process application) near3 icon) with (intens$3 brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:08
S195	3	S194 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:08
S196	28	((task process application) near3 icon) with (intens$3 brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:08
S197	4	((task process application) near3 icon) with (((higher greater) near2 intens$3) brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:09
S198	0	S197 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:13
S199	4	((task process application app) near3 icon) with (((higher greater) near2 intens$3) brighter)	US-PGPUB; USPAT; EPO; JPO;	OR	ON	2014/09/17 17:14

			DERWENT			
S200	4	((task process application app) near3 (thumbnail icon)) with (((higher greater) near2 intens$3) brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:14
S201	4	((task process application app) near3 (thumbnail icon)) with (((higher greater more) near2 intens$3) brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:15
S202	5	((task process application app) near3 (thumbnail icon)) with (((higher greater more) near3 intens$3) brighter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:15
S203	1	S202 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:15
S204	849	((task process application app) near3 (thumbnail icon)) with (((higher greater more) near3 intens$3) brighter highlight$3 flash$3 blink$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:16
S205	380	S204 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:17
S206	120	S205 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:17
S207	784	((task process application app) near3 (icon)) with (((higher greater more) near3 intens$3) brighter highlight$3 flash$3 blink$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:17
S208	299	S207 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:17
S209	112	S208 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:17
S210	658	((task application) near3 (icon)) with (((higher greater more) near3 intens$3) brighter highlight$3 flash$3 blink$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:18
S211	316	S210 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:19
S212	86	S211 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/17 17:19
S213	790	((task process application app) near3 (icon)) with (((higher greater more) near3 intens$3) brighter brighten$3 highlight$3 flash$3 blink$3)	US-PGPUB; USPAT;	OR	ON	2014/09/18 12:50

			EPO; JPO; DERWENT			
S214	369	S213 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 12:50
S215	112	S214 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 12:50
S216	5	((task process application app) near3 (icon)) with (((higher greater more) near3 intens$3) brighter brighten$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 12:51
S217	1	S216 and "715".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 12:51
S218	0	S217 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 12:51
S219	0	S216 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 12:51
S220	109	S215 and (mobile portable mp3 phone cellphone telephone device)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 12:54
S221	384282	("715" "455").clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 15:06
S222	1307488	(mobile portable mp3 phone cellphone telephone device) with (GUI interface)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 15:08
S223	504	(icon) with (((higher greater more) near3 intens$3) brighter brighten$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 15:09
S224	84	S221 and S222 and S223	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 15:09
S225	30	S224 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 15:09
S228	3	"20060101293"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2014/09/18 15:20

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	10731	718/100,102,103.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2015/04/16 17:48
L3	14695	715/700,764,778,779,781,802,804,805,808,817,828,829,846,847,864.ccls.	US-PGPUB; USPAT; UPAD	OR	ON	2015/04/16 17:52
L14	33116	(G06F3/048 G06F3/0481 G06F3/04817 G06F3/0482 G06F9/48 G06F9/4806 G06F9/4843 G06F9/485 G06F9/4881 G06F9/4443).cpc.	US-PGPUB; USPAT; UPAD	OR	ON	2015/04/16 18:08
L15	51801	2 or 3 or 14	US-PGPUB; USPAT; UPAD	OR	ON	2015/04/16 18:08
L17	30899	(task program process window screen) with (switch$3 focus$3) with (icon object shortcut)	US-PGPUB; USPAT; UPAD	OR	ON	2015/04/16 18:08
L18	38158	(task program process window screen application) with (switch$3 focus$3) with (icon object shortcut)	US-PGPUB; USPAT; UPAD	OR	ON	2015/04/16 18:09
L20	842	(pop$1up popup playback) with (bar command console control$3 button element menu shortcut) with (flash$3 contrast$3 bright$3) same (window display screen)	US-PGPUB; USPAT; UPAD	OR	ON	2015/04/16 18:09
L21	91	18 and 20	US-PGPUB; USPAT; UPAD	OR	ON	2015/04/16 18:10
L22	10	15 and 21	US-PGPUB; USPAT; UPAD	OR	ON	2015/04/16 18:10
L23	6	22 and (@rlad<"20050811" @pd<"20050811" @ad<"20050811")	US-PGPUB; USPAT; UPAD	OR	ON	2015/04/16 18:11
L30	30899	(task program process window screen) with (switch$3 focus$3) with (icon object shortcut)	US-PGPUB; USPAT; UPAD	OR	ON	2015/04/16 18:13
L31	2786	((task program process window screen) with (switch$3 focus$3) with (icon object shortcut)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2015/04/16 18:14
L32	17	((pop$1up popup playback) with (bar command console control$3 button element menu shortcut) with (flash$3 contrast$3 bright$3) same (window display screen)).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2015/04/16 18:14
L33	0	31 and 32	US-PGPUB; USPAT; UPAD	OR	ON	2015/04/16 18:15

4/16/2015 6:37:35 PM
C:\Users\cswift\Documents\EAST\Workspaces\EAST 11495863.wsp

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

H.C. Park & Associates, PLC
1894 Preston White Drive
Reston, VA 20191

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/495,863	2006-07-28	Seul Ki CHOI	P4101US00	3379

TITLE OF INVENTION:

METHOD FOR SELECTING AND CONTROLLING SECOND WORK PROCESS DURING FIRST WORK PROCESS IN MULTITASKING MOBILE TERMINAL

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
NONPROVISIONAL	UNDISCOUNTED	$960	$0	$0	$960	2015-07-22

EXAMINER	ART UNIT	CLASS-SUBCLASS
SWIFT, CHARLES M	2196	718-100000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 H.C. Park & Associates, PLC
2
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE	(B) RESIDENCE: (CITY and STATE OR COUNTRY)
Pantech Co., Ltd.	Seoul, Republic of Korea

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☑ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:
☑ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
☐ A check is enclosed.
☑ Payment by credit card. Form PTO-2038 is attached.
☑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 50-3698 (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)
☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature /Christopher B. Kilner/ Date 2015-07-22

Typed or printed name Christopher B. Kilner Registration No. 45,381

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	11495863
Filing Date:	28-Jul-2006
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Filer:	Hae-Chan Park/Thomas Traub
Attorney Docket Number:	P4101US00

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Utility Appl Issue Fee	1501	1	960	960

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**960**

Electronic Acknowledgement Receipt	
EFS ID:	22988147
Application Number:	11495863
International Application Number:	
Confirmation Number:	3379
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Customer Number:	58027
Filer:	Hae-Chan Park/Christopher Kilner
Filer Authorized By:	Hae-Chan Park
Attorney Docket Number:	P4101US00
Receipt Date:	22-JUL-2015
Filing Date:	28-JUL-2006
Time Stamp:	15:03:33
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$960
RAM confirmation Number	1292
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	P4101US00-IssueFee.pdf	1867267 23a5f7413141a39a1f8b864cbd2703a5763d0462	no	2
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30503 74ae382f1f1065e84ba7d0ec379d4b24fa51cb14	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1897770		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

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United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/495,863	09/01/2015	9122518	P4101US00	3379

58027 7590 08/12/2015

H.C. PARK & ASSOCIATES, PLC
1894 PRESTON WHITE DRIVE
RESTON, VA 20191

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 1764 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

Seul Ki Choi, Ansan-Si, KOREA, REPUBLIC OF;
Sang Jin Yoon, Anyang-Si, KOREA, REPUBLIC OF;

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4338246

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PANTECH INC	10/31/2016

RECEIVING PARTY DATA

Name:	GOLDPEAK INNOVATIONS INC
Street Address:	SUITE #806, DIGITAL-RO 34-GIL, 55, GURO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 39

Property Type	Number
Patent Number:	8145252
Patent Number:	8606284
Patent Number:	9503559
Patent Number:	9516614
Patent Number:	9575631
Patent Number:	9596352
Patent Number:	7257410
Patent Number:	7366222
Patent Number:	7639991
Patent Number:	7739190
Patent Number:	7801074
Patent Number:	7890130
Patent Number:	7929924
Patent Number:	8275328
Patent Number:	8332706
Patent Number:	8433350
Patent Number:	8583098
Patent Number:	8594740
Patent Number:	9008637
Patent Number:	9122518
Patent Number:	9191932

Property Type	Number
Patent Number:	9210594
Patent Number:	9363801
Patent Number:	8634818
Patent Number:	9100496
Application Number:	15457560
Application Number:	15338993
Application Number:	15173139
Application Number:	14589971
Application Number:	14754045
Application Number:	15167518
Application Number:	15017133
Application Number:	15436299
Application Number:	13466042
Application Number:	15354691
Application Number:	14921414
Application Number:	14179976
Application Number:	12958749
Application Number:	15212562

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: edward.park@fidelis-laws.com
Correspondent Name: FIDELIS LAW GROUP, PLLC
Address Line 1: 444 W BROAD ST UNIT 426
Address Line 4: FALLS CHURCH, VIRGINIA 22046

NAME OF SUBMITTER:	EDWARD PARK
SIGNATURE:	/sjp/
DATE SIGNED:	03/27/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4
source=Second Patent Assignment_Signed by Pantech_GP_Redacted#page1.tif
source=Second Patent Assignment_Signed by Pantech_GP_Redacted#page2.tif
source=Second Patent Assignment_Signed by Pantech_GP_Redacted#page3.tif
source=Second Patent Assignment_Signed by Pantech_GP_Redacted#page4.tif

PATENT ASSIGNMENT (SECOND)

This Patent Assignment (the "Assignment") is made from **PANTECH INC** ("Assignor"), a corporation organized and existing under the laws of Korea with its principal place at Pantech Building, 179 Seongam-ro Mapo-go, Seoul, Korea, to **GoldPeak Innovations Inc** ("Assignee"), a corporation organized under the laws of the Republic of Korea, having an address at suite # 806, Digital-ro 34-gil, 55, Guro-gu, Seoul, Korea.

WHEREAS, Assignor and Assignee have entered into that certain Patent Assignment Agreement dated as of October 31, 2016 (the "Agreement"), whereby, among other things, Assignor has agreed to assign, and Assignee has agreed to accept, all of those patents and patent applications listed on Annex A hereto, and all existing and any future Patents that may be granted therefore throughout the world, all of their foreign counterparts, reissues, re-examinations, renewals, extensions, provisional, divisional and continuation applications including continuation in part, and any United States and foreign applications and patents that claimed, claim and will claim priorities to those listed above, as well as all patents and applications from which those listed above derive, relate, or claim priority (collectively, the "Patent Rights").

NOW THEREFORE, in exchange for good and valuable consideration under the Agreement, the receipt and sufficiency of which Assignor hereby acknowledges, and as a condition to Assignee entering into the Agreement, Assignor hereby assigns and transfers to Assignee and Assignee accepts, all of the right, title and interest of Assignor throughout the world in and to any and all inventions claimed or disclosed in the Patent Rights.

This Assignment includes all of Assignor's right, title and interest in, to and under each of the Patent Rights (including without limitation, rights to damages and payments for past, present and future infringements or misappropriations, including the right to collect and receive any royalties, or settlements for such infringements, all rights to sue for injunctive or other equitable relief, and any and all causes of action relating to any of the inventions or discoveries thereof), and, as agreed to between the parties, all continuations, continuations-in-part, divisionals, substitutes, reexaminations, post-opposition foreign counterpart patents and applications, reissues and extensions thereof, if any; and, Assignor requests the Commissioner of Patents of the United States (and all foreign officials, whose duty it is to issue patents and applications as aforesaid) to record Assignee as the owner of such Patent Rights, to the same extent as held by Assignor, and to issue the Letters Patent for such Patent Rights in the name of Assignee, as assignee of the Patent Rights.

This instrument shall inure to the benefit of Assignee and its successors and assigns, and shall be binding upon Assignor and its successors and assigns.

Assignor hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict with this Assignment. Assignor hereby further covenants and agrees that it will communicate to Assignee any and all facts known to it respecting the Patent Rights, including the existing licenses, encumbrances or other restrictions that are expressly binding on successors to the Patent Rights, and testify in any

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legal proceeding, sign all lawful papers, execute and deliver all papers and take any actions that may be necessary or desirable to perfect the title to any aforementioned patents and inventions, execute all divisional, continuation, reexamination, reissue, substitute applications, and any similar and equivalent procedure under current and future legislations and regulations throughout the world, and make all rightful oaths to aid Assignee to obtain and enforce proper patent protection for said inventions in all countries.

Date of: _Dec 14, 2016_

PANTECH INC.

Signature

KIM, BYEONG JIN
Name

C.F.O
Title

GoldPeak Innovations Inc.:

Signature

Youngjoon Rhee
Name

CEO
Title

Annex A

Patents and/or Patent Applications

NO	Category	Application No	Filing Date	Patent No	Issued Date
1	[redacted]	14/685,143	4/13/2015	9300805	3/29/2016
2		13/849,296	3/22/2013	8964645	2/24/2015
3		13/888,891	5/7/2013	9030973	5/12/2015
4		13/978,624	7/5/2013	8934440	1/13/2015
5		13/580,779	8/23/2012	9071488	6/30/2015
6		14/816,736	8/3/2015	9357363	5/31/2016
7		13/758,444	2/4/2013	9256747	2/9/2016
8		14/840,644	8/31/2015	9250957	2/2/2016
9		12/777,006	5/10/2010	8341079	12/25/2012
10		14/152,152	1/10/2014	9113312	8/18/2015
11		14/058,901	10/21/2013	9172906	10/27/2015
12		12/556,331	9/9/2009	8332706	12/11/2012
13		12/599,463	5/9/2008	8279744	10/2/2012
14		11/285,960	11/23/2005	7881723	2/1/2011
15		KR 2012-0023831	3/8/2012	KR 1314472	9/26/2013
16		KR 2010-0084319	8/30/2010	KR 1318013	10/7/2013
17		13/857,294	4/5/2013	9072108	6/30/2015
18		13/412,933	3/6/2012	9167534	10/20/2015
19		13/594,539	8/24/2012	8489036	7/16/2013
20		11/285,943	11/23/2005	7577115	8/18/2009
21		12/904,777	10/14/2010	8682319	3/25/2013
22		10/330,737	12/27/2002	7167716	1/23/2007
23		13/875,808	5/2/2013	9392582	7/12/2016
24		13/143,688	7/7/2011	8559480	10/15/2013
25		12/629,570	12/2/2009	8345867	1/1/2013
26		14/464,041	8/20/2014	9380581	6/28/2016
27		13/383,821	1/12/2012	9009207	4/14/2015
28		12/546,363	8/24/2009	8144815	3/27/2012
29		12/582,164	10/20/2009	8675510	10/31/2013
30		11/532,284	9/13/2006	7853289	12/14/2010
31		13/653,969	10/17/2012	9398499	7/19/2016
32		13/177,761	7/7/2011	8929223	12/17/2014

33	[redacted]	12/832,665	7/8/2010	8301151	8/29/2012
34		12/539,364	10/12/2009	RE43930	8/30/2012
35		12/759,874	4/14/2010	RE43059	1/3/2012
36		11/263,858	11/2/2005	7904025	3/8/2011
37		12/861,637	8/23/2010	8098824	1/17/2012
38		10/744,321	12/22/2003	7333828	2/19/2008
39		10/749,456	12/31/2003	7123912	10/17/2006

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PTO/AIA/80 (07-12)
Approved for use through 11/30/2014. OMB 0651-0035
U.S. Patent and Trademark Office, U.S DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:

■ Practitioners associated with Customer Number: 146410

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignments documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:

■ The address associated with Customer Number: 146410

OR

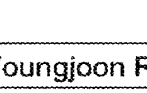
☐	Firm or Individual Name	Fidelis Law Group, PLLC		
	Address	444 W Broad St unit 426		
	City	Falls Church	State VA	Zip 22046
	Country	USA		
	Telephone	571.730.4572	Email	edward.park@fidelis-laws.com

Assignee Name and Address: GOLDPEAK INNOVATIONS INC
SUITE #806, DIGITAL-RO 34-GIL, 55, GURO-GU
SEOUL, REPUBLIC OF KOREA

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent) is required to be Filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of The practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	27 / Mar / 2017
Name	Youngjoon Rhee	Telephone	+82.10.8929.1905
Title	CEO		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/AIA/96 (08-12)
Approved for use through 01/31/2013. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: GOLDPEAK INNOVATIONS INC

Application No./Patent No.: 11495863 Filed/Issue Date: 07/28/2006

Titled: Method for selecting and controlling second work process during first work process in multitasking mobile terminal

GOLDPEAK INNOVATIONS INC, a Corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. ☑ The assignee of the entire right, title, and interest.

2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):

   ☐ The extent (by percentage) of its ownership interest is _____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.

   ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

   Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. ☐ The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

   Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. ☐ The recipient, via a court proceeding or the like (*e.g.*, bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

B. ☑ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: CHOI, SEUL KI To: PANTECH & CURITEL COMMUNICATIONS, INC.

   The document was recorded in the United States Patent and Trademark Office at
   Reel 018146, Frame 0267, or for which a copy thereof is attached.

2. From: PANTECH & CURITEL COMMUNICATIONS, INC. To: PANTECH CO., LTD.

   The document was recorded in the United States Patent and Trademark Office at
   Reel 036537, Frame 0734, or for which a copy thereof is attached.

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/AIA/96 (08-12)
Approved for use through 01/31/2013. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(c)

3. From: PANTECH CO., LTD. To: PANTECH INC.

The document was recorded in the United States Patent and Trademark Office at
Reel 040005, Frame 0257, or for which a copy thereof is attached.

4. From: PANTECH INC. To: GOLDPEAK INNOVATIONS INC

The document was recorded in the United States Patent and Trademark Office at
Reel 041752, Frame 0983, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☑ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/sjp/	4/4/2017
Signature	Date
Seong Jun PARK	73,534
Printed or Typed Name	Title or Registration Number

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt	
EFS ID:	28833461
Application Number:	11495863
International Application Number:	
Confirmation Number:	3379
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Customer Number:	58027
Filer:	Seong Jun Park
Filer Authorized By:	
Attorney Docket Number:	P4101US00
Receipt Date:	04-APR-2017
Filing Date:	28-JUL-2006
Time Stamp:	19:51:43
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	POA.pdf	1045958 a87949d5c25ca9a30afe1aff1de0bb07b1b67cde	no	2

Warnings:

Information:					
2	Assignee showing of ownership per 37 CFR 3.73	11495863.pdf	123769 1520b4813aa63321a411d03e3afbb367def62ce1	no	3
Warnings:					
Information:					
			Total Files Size (in bytes):	1169727	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/495,863	07/28/2006	Seul Ki Choi	P4101US00

CONFIRMATION NO. 3379

58027
H.C. PARK & ASSOCIATES, PLC
1894 PRESTON WHITE DRIVE
RESTON, VA 20191

POWER OF ATTORNEY NOTICE

OC000000090544292

Date Mailed: 04/11/2017

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 04/04/2017.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/khoang/

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/495,863	07/28/2006	Seul Ki Choi	P4101US00

CONFIRMATION NO. 3379

146410
Fidelis Law Group , PLLC
444 W Broad ST UNIT 426
Falls Church, VA 22046

POA ACCEPTANCE LETTER

OC000000090544315

Date Mailed: 04/11/2017

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 04/04/2017.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/khoang/

PTO/AIA/96 (08-12)
Approved for use through 01/31/2013. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: GOLDPEAK INNOVATIONS INC

Application No./Patent No.: 11495863 Filed/Issue Date: 07/28/2006

Titled: Method for selecting and controlling second work process during first work process in multitasking mobile terminal

GOLDPEAK INNOVATIONS INC, a Corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. ☑ The assignee of the entire right, title, and interest.

2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):

   ☐ The extent (by percentage) of its ownership interest is _____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.

   ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

   Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. ☐ The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

   Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. ☐ The recipient, via a court proceeding or the like (*e.g.*, bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

B. ☑ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: CHOI, SEUL KI To: PANTECH & CURITEL COMMUNICATIONS, INC.

   The document was recorded in the United States Patent and Trademark Office at

   Reel 018146, Frame 0267, or for which a copy thereof is attached.

2. From: PANTECH & CURITEL COMMUNICATIONS, INC. To: PANTECH CO., LTD.

   The document was recorded in the United States Patent and Trademark Office at

   Reel 036537, Frame 0734, or for which a copy thereof is attached.

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/AIA/96 (08-12)
Approved for use through 01/31/2013. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(c)

3. From: PANTECH CO., LTD. To: PANTECH INC.

The document was recorded in the United States Patent and Trademark Office at
Reel 040005, Frame 0257, or for which a copy thereof is attached.

4. From: PANTECH INC. To: GOLDPEAK INNOVATIONS INC

The document was recorded in the United States Patent and Trademark Office at
Reel 041752, Frame 0983, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☑ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/jwkim/	2017-10-23
Signature	Date
Jongwon Kim	66993
Printed or Typed Name	Title or Registration Number

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PTO/AIA/82 (07-17)
Approved for use through 01/31/2018. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:

[x] Practitioners associated with Customer Number: 66390

OR

[ ] Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:

[x] The address associated with Customer Number: 66390

OR

[ ]

Firm or individual name		
Address		
City	State	Zip
Country		
Telephone	Email	

Assignee name and address: GOLDPEAK INNOVATIONS INC.
Suite # 806, Digital-ro 34-gil, 55,Guro-gu, Seoul, 08378, South Korea(Republic of Korea)

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of the practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee.

Signature	Date 17 / 10 / 2017
Name Youngjoon Rhee	Telephone +82-10-8929-1905
Title CEO at GOLDPEAK INNOVATIONS INC	

This collection of information is required by 37 CFR 3.31, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public, which is to update (and by the USPTO to process) the file of a patent or reexamination proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 18 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt	
EFS ID:	30727268
Application Number:	11495863
International Application Number:	
Confirmation Number:	3379
Title of Invention:	Method for selecting and controlling second work process during first work process in multitasking mobile terminal
First Named Inventor/Applicant Name:	Seul Ki Choi
Customer Number:	146410
Filer:	Jongwon Kim
Filer Authorized By:	
Attorney Docket Number:	P4101US00
Receipt Date:	23-OCT-2017
Filing Date:	28-JUL-2006
Time Stamp:	12:51:21
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	11495863_3379.pdf	596726 efe0c78f5e3cff9b6a66d325be97b8263bbbd091	no	3

Warnings:

Information:					
2	Power of Attorney	80_sb_GPOA_GoldPeak.pdf	684881 66f5127db48c2b8b41fad91bdf748c3f97e394eb	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	1281607	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/495,863	07/28/2006	Seul Ki Choi	P4101US00

CONFIRMATION NO. 3379

66390
LEX IP MEISTER, PLLC
5180 PARKSTONE DRIVE, SUITE 175
CHANTILLY, VA 20151

POA ACCEPTANCE LETTER

OC000000095087488

Date Mailed: 10/30/2017

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 10/23/2017.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/tlulu/

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/495,863	07/28/2006	Seul Ki Choi	P4101US00

CONFIRMATION NO. 3379

146410
Fidelis Law Group , PLLC
444 W Broad ST UNIT 426
Falls Church, VA 22046

POWER OF ATTORNEY NOTICE

OC000000095087467

Date Mailed: 10/30/2017

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 10/23/2017.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/tlulu/

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6105570

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GOLDPEAK INNOVATIONS INC	05/07/2020

RECEIVING PARTY DATA

Name:	PANTECH CORPORATION
Street Address:	8 YANGJAECHEONRO-21GIL, SUITE 402, SEOCHO-GU,
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	06748

PROPERTY NUMBERS Total: 234

Property Type	Number
Patent Number:	10014988
Patent Number:	9548839
Patent Number:	9048991
Patent Number:	8631297
Patent Number:	8631298
Patent Number:	8681599
Patent Number:	7894330
Patent Number:	9750054
Patent Number:	9288824
Patent Number:	10057925
Patent Number:	8611297
Patent Number:	8102804
Patent Number:	8380227
Patent Number:	8583147
Patent Number:	9357486
Patent Number:	8606303
Patent Number:	7505776
Patent Number:	7505775
Patent Number:	7853852
Patent Number:	7725796

Property Type	Number
Patent Number:	9838194
Patent Number:	9270365
Patent Number:	8873519
Patent Number:	9713095
Patent Number:	10045304
Patent Number:	9313743
Patent Number:	10609650
Patent Number:	9680590
Patent Number:	9419739
Patent Number:	8649346
Patent Number:	9860046
Patent Number:	9485072
Patent Number:	9237566
Patent Number:	9008046
Patent Number:	8588185
Patent Number:	8780860
Patent Number:	9854545
Patent Number:	9054835
Patent Number:	10299251
Patent Number:	9392582
Patent Number:	9131482
Patent Number:	9265034
Patent Number:	8538411
Patent Number:	9787514
Patent Number:	10237104
Patent Number:	9025485
Patent Number:	9742542
Patent Number:	9369251
Patent Number:	9088396
Patent Number:	8897182
Patent Number:	9136924
Patent Number:	9948440
Patent Number:	9344245
Patent Number:	8787216
Patent Number:	9893866
Patent Number:	9380581
Patent Number:	8837452
Patent Number:	8576822

Property Type	Number
Patent Number:	10567140
Patent Number:	10218485
Patent Number:	8811518
Patent Number:	9825686
Patent Number:	9319252
Patent Number:	10153821
Patent Number:	10057940
Patent Number:	9474025
Patent Number:	9088992
Patent Number:	9730265
Patent Number:	9374213
Patent Number:	8917619
Patent Number:	9955376
Patent Number:	9516538
Patent Number:	9191833
Patent Number:	9124688
Patent Number:	8675844
Patent Number:	7660404
Patent Number:	6809641
Patent Number:	8933955
Patent Number:	8706168
Patent Number:	8554185
Patent Number:	8311519
Patent Number:	7260419
Patent Number:	RE44620
Patent Number:	RE43789
Patent Number:	RE42996
Patent Number:	7292561
Patent Number:	9661113
Patent Number:	8433379
Patent Number:	7693558
Patent Number:	8200899
Patent Number:	7991958
Patent Number:	7567530
Patent Number:	7136671
Patent Number:	9729699
Patent Number:	9178982
Patent Number:	8699987

Property Type	Number
Patent Number:	8374572
Patent Number:	10158752
Patent Number:	7643815
Patent Number:	8060114
Patent Number:	7912482
Patent Number:	7668553
Patent Number:	7151487
Patent Number:	6784829
Patent Number:	7006037
Patent Number:	9495730
Patent Number:	8767018
Patent Number:	8319799
Patent Number:	8120626
Patent Number:	7755647
Patent Number:	8446915
Patent Number:	8054846
Patent Number:	7693163
Patent Number:	7102196
Patent Number:	6801271
Patent Number:	6925313
Patent Number:	8270999
Patent Number:	7660592
Patent Number:	9204118
Patent Number:	8433367
Patent Number:	7668569
Patent Number:	7412262
Patent Number:	7283839
Patent Number:	6557010
Patent Number:	7103387
Patent Number:	9839000
Patent Number:	9319507
Patent Number:	8923927
Patent Number:	8532626
Patent Number:	7925242
Patent Number:	7420566
Patent Number:	7475332
Patent Number:	8588755
Patent Number:	8331920

Property Type	Number
Patent Number:	7636845
Patent Number:	8565724
Patent Number:	8078145
Patent Number:	7386297
Patent Number:	9596352
Patent Number:	9300805
Patent Number:	9008637
Patent Number:	8583098
Patent Number:	10009471
Patent Number:	10257359
Patent Number:	9769776
Patent Number:	10015759
Patent Number:	10582460
Patent Number:	9516614
Patent Number:	8964645
Patent Number:	9794029
Patent Number:	9363801
Patent Number:	9191932
Patent Number:	9030973
Patent Number:	10004062
Patent Number:	8934440
Patent Number:	10103916
Patent Number:	9071488
Patent Number:	10162490
Patent Number:	9357363
Patent Number:	9100496
Patent Number:	10540066
Patent Number:	9256747
Patent Number:	9575631
Patent Number:	9250957
Patent Number:	9122518
Patent Number:	10282054
Patent Number:	9930499
Patent Number:	9503559
Patent Number:	9113312
Patent Number:	8634818
Patent Number:	10225697
Patent Number:	8332706

Property Type	Number
Patent Number:	8279744
Patent Number:	7881723
Patent Number:	8606284
Patent Number:	9072108
Patent Number:	8433350
Patent Number:	7890130
Patent Number:	9167534
Patent Number:	8145252
Patent Number:	7577115
Patent Number:	7167716
Patent Number:	8559480
Patent Number:	8345867
Patent Number:	9009207
Patent Number:	8675510
Patent Number:	7853289
Patent Number:	9398499
Patent Number:	8929223
Patent Number:	8301151
Patent Number:	RE43930
Patent Number:	7257410
Patent Number:	RE43059
Patent Number:	7366222
Patent Number:	7904025
Patent Number:	8098624
Patent Number:	7801074
Patent Number:	7333828
Patent Number:	7123912
Application Number:	15997919
Application Number:	16394702
Application Number:	16392323
Application Number:	15820980
Application Number:	16418708
Application Number:	16272473
Application Number:	16387174
Application Number:	15911518
Application Number:	16203319
Application Number:	16275039
Application Number:	16288278

Property Type	Number
Application Number:	14061316
Application Number:	16287787
Application Number:	15801433
Application Number:	16227369
Application Number:	15705131
Application Number:	16685738
Application Number:	15017133
Application Number:	16405803
Application Number:	16290914
Application Number:	12958749
Application Number:	16452244
Application Number:	16826013
Application Number:	16733106
Application Number:	16819625
Application Number:	16813676
Application Number:	16823170
Application Number:	16806830
Application Number:	16730711
Application Number:	16711269
Application Number:	16806665
Application Number:	16826054
Application Number:	16037067
Application Number:	16184560
Application Number:	16694830

CORRESPONDENCE DATA

Fax Number: (703)643-9789

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 4349062975
Email: yoon@capitoliplaw.com
Correspondent Name: YEASUN YOON
Address Line 1: 20319 KIAWAH ISLAND DR
Address Line 4: ASHBURN, VIRGINIA 20147

ATTORNEY DOCKET NUMBER:	PA01GOLDPEAKTOPANTECHCORP
NAME OF SUBMITTER:	YEASUN YOON
SIGNATURE:	/yoon/
DATE SIGNED:	05/13/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 17
source=Goldpeak Patent Assignment_20200507_actual sign#page1.tif
source=Goldpeak Patent Assignment_20200507_actual sign#page2.tif
source=Goldpeak Patent Assignment_20200507_actual sign#page3.tif
source=Goldpeak Patent Assignment_20200507_actual sign#page4.tif
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CONFIRMATORY ASSIGNMENT OF PATENT RIGHTS

This CONFIRMATORY ASSIGNMENT OF PATENT RIGHTS (this "**Assignment**") is made this ____ day of April 2020, by **GoldPeak Innovations Inc,** a Korean company ("**Assignor**"), in favor of **Pantech Corporation.**, a Korean company ("**Assignee**").

WHEREAS, Assignor and Assignee are party to that certain Patent Sale and Purchase Agreement of even date herewith (as in effect from time to time, the "**Patent Sale and Purchase Agreement**"); capitalized terms used but not otherwise defined in this Assignment shall have the respective meaning assigned thereto in the Patent Sale and Purchase Agreement; and

WHEREAS, pursuant to the Patent Sale and Purchase Agreement, Assignor has agreed to sell, convey, transfer, assign and deliver to Assignee all right, title and interest, including, without limitation, Patent Rights, in and to the patents, provisional patent applications, and patent applications listed on listed on Schedule A hereto (collectively, the "**Patents**").

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor hereby sells, conveys, transfers, and assigns to Assignee, its successors, legal representatives and assigns all right, title and interest in the United States and throughout the world in and to:

The Patents and any and all letters patent that are or may be granted thereon, and any legal equivalent and counterpart thereof that may be granted in any country or countries foreign to the United States, in each case including without limitation any extensions, substitutes, continuations, continuations-in-part, divisions, reissues, reexaminations, and renewals thereof, or other equivalents thereof, and further, all rights and privileges pertaining to the Patents and any and all letters patent that are or may be granted thereon, and any legal equivalent thereof that may be granted in any country or countries foreign to the United States as well as all inventions, invention disclosures, and discoveries described in any of the foregoing and including, without limitation, the right, if any, to petition, sue or otherwise seek and recover damages, profits and any other remedy (monetary, injunctive, declaratory or other relief or remedy of any kind) in the United States and anywhere throughout the world for any past, present and future infringement thereof, conversion or misappropriation of, or other injury, offense, violation, breach of duty or wrong relating to, any of the Patents, or any license, agreement, contract or other matter relating thereto.

Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States of America and the appropriate officers of all other jurisdictions in which the Patents are or may be registered or in which applications included among the Patents are pending, to record the title of Assignee, its successors, legal representatives and assigns, as owner of all right, title and interest in and to the Patents, and to issue to Assignee, its successors, legal representatives and assigns, all letters patent and any legal equivalent thereof that may be granted in any country or countries foreign to the United States and recordations of patent rights resulting from any application included among the Patents, according to this instrument.

Except to the extent that federal law preempts state law with respect to the matters covered hereby, this Assignment shall be governed by and construed in accordance with the laws of the State of Delaware, without giving effect to any of the principles of conflicts of laws thereof that would result in the application of the laws of another jurisdiction to this Assignment.

This Assignment will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

Assignor has the full power and authority, and has obtained all Third Party consents, approvals and/or other authorizations required to enter into this Assignment and to carry out its obligations hereunder.

If Assignee is unable for any reason to secure Assignor's or its affiliates or their respective successors' or assigns' signature to any document it is entitled to under this Assignment, Assignor and its affiliates hereby irrevocably designate and appoint Assignee, and Assignee's duly authorized officers, agents and representatives, as its agents and attorneys-in-fact, coupled with an interest, with full power of substitution to act for and on the behalf and instead of Assignor, to execute and file any such document or documents and to do all other lawfully permitted acts to further the purposes of this Assignment with the same legal force and effect as if executed by Assignor.

IN WITNESS WHEREOF, Assignor has caused this Assignment to be executed by its duly authorized officer, as of the date first written above.

ASSIGNOR:

GoldPeak Innovations Inc.

By: Saekyung Park

Name: Saekyung Park

Title: CEO

Schedule A

Family	Country	Application #	Application Date	Issued #	Issued Date
1	U.S.A.	2017-406403	1/13/2017	10014988	7/3/2018
	U.S.A.	15/997,919	6/5/2018	Pending	
	U.S.A.	2015-726014	5/29/2015	9548839	1/17/2017
	U.S.A.	2014-184345	2/19/2014	9048991	6/2/2015
	U.S.A.	2013-750669	1/25/2013	8631297	1/14/2014
	U.S.A.	2012-750953	1/25/2013	8631298	1/14/2014
	U.S.A.	2011-012702	1/24/2011	8681599	3/25/2014
	U.S.A.	2009-388243	2/18/2009	7894330	2/22/2011
	TAIWAN	98105169	2/18/2009	I422201	1/1/2014
	SWEDEN	13170420.7	6/4/2013	2637348	6/24/2015
	NETHERLAND	13170420.7	2/18/2009	2637348	6/24/2015
	JAPAN	2016-215172	11/2/2016	6401224	9/14/2018
	JAPAN	2015-020714	2/4/2015	6038974	11/11/2016
	JAPAN	2013-221358	10/24/2013	5694479	2/13/2015
	JAPAN	2012-037585	2/23/2012	5400186	11/1/2013
	JAPAN	2009-554464	2/13/2009	4982653	5/11/2012
	ITALY	09 153 111.1	2/18/2009	2093924	8/14/2013
	U.K.	13170420.7	2/18/2009	2637348	6/24/2015
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	U.K.	09 153 111.1	2/18/2009	2093924	8/14/2013
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	FINLAND	13170420.7	6/4/2013	2637348	6/24/2015
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	CHINA	200980000075.7	2/13/2009	101682489	7/24/2013
	CANADA	2715941	2/13/2009	2715941	4/11/2017
	AUSTRALIA	2009332929	2/13/2009	2009332929	11/14/2013
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2	U.S.A.	2016-069340	3/14/2016	9750054	8/29/2017

	U.S.A.	2013-960448	8/6/2013	9288824	3/15/2016
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	KR	1020080047656	5/22/2008	1519345	5/6/2015
3	U.S.A.	12/398084	3/4/2009	8380227	2/19/2013
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	U.S.A.	2013-091916	11/27/2013	9357486	5/31/2016
	U.S.A.	12/371526	2/13/2009	8606303	12/10/2013
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	NETHERLAND	05756764.6	1/12/2007	1767036	10/31/2012
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	LITHUANIA	05756764.6	1/12/2007	1767036	10/31/2012
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	ITALY	05756764.6	1/12/2007	1767036	10/31/2012
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	CZ	05756764.6	1/12/2007	1767036	10/31/2012
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	KR	1020040077649	9/25/2004	908260	7/10/2009
4	U.S.A.	12/684847	1/8/2010	7853852	12/14/2010
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	TAIWAN	94146828	12/27/2005	1416897	11/21/2013
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	JAPAN	2013-236045	11/14/2013	5619262	9/26/2014
	JAPAN	2012-142491	6/25/2012	5554375	6/6/2014
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	AUSTRALIA	2005326877	6/13/2007	2005326877	2/4/2010
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5	U.S.A.	2016-014792	2/3/2016	9838194	12/5/2017
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	U.S.A.	2014-513449	10/14/2014	9270365	2/23/2016
	U.S.A.	2012-715278	12/14/2012	8873519	10/28/2014
	JAPAN	2014-547111	6/12/2015	6212048	9/22/2017
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	FRANCE	12857526.3	5/30/2018	2792093	7/11/2018
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6	U.S.A.	2016-077466	3/22/2016	9713095	7/18/2017
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	U.S.A.	2014-357557	5/9/2014	9313743	4/12/2016
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8	U.S.A.	2016-222068	7/28/2016	9680590	6/13/2017
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	U.S.A.	2011-332089	12/20/2011	8649346	2/11/2014
	JAPAN	2014-134625	6/30/2014	6025783	10/21/2016
	JAPAN	2013-546010	6/14/2013	5575993	7/11/2014
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	CHINA	201180062059	6/21/2013	103270710	3/9/2016
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9	U.S.A.	2016-335679	10/27/2016	9860046	1/2/2018
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	U.S.A.	2016-992186	1/11/2016	9485072	11/1/2016
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10	U.S.A.	14/056,474	10/17/2013	9008046	4/14/2015
	U.S.A.	2011-181456	7/12/2011	8588185	7/19/2013
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11	U.S.A.	2011-098056	4/29/2011	8780860	7/15/2014
12	U.S.A.	2015-733068	6/8/2015	9854545	12/26/2017
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	U.K.	11742487.9	9/5/2012	2536227	5/8/2019
	FRANCE	11742487.9	9/5/2012	2536227	5/8/2019
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	Luxembourg	11742487.9	9/5/2012	2536227	5/8/2019
	Monaco	11742487.9	9/5/2012	2536227	5/8/2019
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14	U.S.A.	15/206,508	7/11/2016	10299251	5/21/2019
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	U.S.A.	2013-965837	8/13/2013	9265034	2/16/2016
	U.S.A.	2010-916203	10/29/2010	8538411	9/17/2013
	JAPAN	2014-080506	4/9/2014	5788051	8/7/2015
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15	U.S.A.	2015-703360	5/4/2015	9787514	10/10/2017
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16	U.S.A.	2016-180153	6/13/2016	9742542	8/22/2017
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	Belgium	11816634.7	3/11/2013	2605433	2/27/2019
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17	U.S.A.	2012-807706	12/28/2012	9136924	9/15/2015
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	E.P.O	11790009	12/5/2012	Pending	

	CHINA	201610951696.5	11/2/2016	Pending	
	CHINA	201180037855.6	1/31/2013	ZL201180037855.6	11/30/2016
	KR	1020100055073	6/10/2010	10-1790505	10/26/2017
19	U.S.A.	2016-192233	6/24/2016	9893866	2/13/2018
	U.S.A.	2014-464041	8/20/2014	9380581	6/28/2016
	U.S.A.	2013-043005	10/1/2013	8837452	9/16/2014
	U.S.A.	2011-008685	1/18/2011	8576822	11/5/2013
	JAPAN	2012-548900	7/11/2012	5855016	12/18/2015
	E.P.O	11733132	8/17/2012	Pending	
	U.S.A.	16/285,957	2/26/2019	10567140	2/18/2020
	U.S.A.	15/858,921	12/29/2017	10218485	2/26/2019
	CHINA	201180014290.X	9/17/2012	102804625	11/13/2018
	KR	1020100004219	1/18/2010	1740221	
20	U.S.A.	2009-505707	5/2/2012	8811518	8/19/2014
	KR	1020127011219	4/30/2012	1627393	5/30/2016
21	U.S.A.	2016-131725	4/18/2016	9825686	11/21/2017
	U.S.A.	2009-500288	4/4/2012	9319252	4/19/2016
	U.S.A.	16/203,319	11/28/2018	Pending	
	U.S.A.	15/814,605	11/16/2017	10153821	12/11/2018
	KR	1020127008173	3/29/2012	1621376	5/10/2016
22	U.S.A.	2015-279139	9/28/2016	10057940	8/21/2018
	U.S.A.	2015-801280	7/16/2015	9474025	10/18/2016
	U.S.A.	2013-847319	3/19/2013	9088992	7/21/2015
	KR	1020120027938	3/19/2012	10-1668865	6/12/2018
23	U.S.A.	2016-183158	6/15/2016	9730265	8/8/2017
	U.S.A.	16/275,039	2/13/2019	Pending	
	U.S.A.	2014-560838	12/4/2014	9374213	6/21/2016
	U.S.A.	2012-651034	10/12/2012	8917619	12/23/2014
	KR	1020110110798	10/27/2011	10-1841693	3/19/2018
24	U.S.A.	2016-341296	11/2/2016	9955376	4/24/2018
	U.S.A.	16/288,278	2/28/2019	Pending	
	U.S.A.	2015-937348	11/10/2015	9516538	12/6/2016
	U.S.A.	2013-984476	8/8/2013	9191833	11/17/2015
	E.P.O	12744486.3	8/9/2013	Notice of Allowance at 1/7/2020 (Issue fee due 5/7/2020)	
	CHINA	201610397886.7	6/7/2016	106060866B	1/7/2020
	CHINA	201280014327	9/22/2013	103444100	6/29/2016
	KR	1020170130604	10/11/2017	1860863	5/17/2018
27	U.S.A.	2014-191178	2/26/2014	9124688	9/1/2015
	U.S.A.	2009-553328	9/3/2009	8675844	3/18/2014

	U.S.A.	2003-730853	12/8/2003	7660404	2/9/2010
	HONG KONG	5101471	2/22/2005	1069062	2/12/2010
	E.P.O	06019434.7	12/5/2003	1727386	3/4/2009
	U.K.	06019434.7	9/18/2006	1727386	3/4/2009
	U.K.	03257661.3	12/5/2003	1427242	11/15/2006
	FRANCE	06019434.7	9/18/2006	1727386	3/4/2009
	E.P.O	03257661.3	12/5/2003	1427242	11/15/2006
	FRANCE	03257661.3	12/5/2003	1427242	11/15/2006
	GERMANY	06019434.7	9/18/2006	1727386	3/4/2009
	GERMANY	03257661.3	12/5/2003	1427242	11/15/2006
	CHINA	200310124920.6	12/7/2003	100558200	11/4/2009
	KR	1020020077576	12/7/2002	500670	7/1/2005
28	U.S.A.	2002-194038	7/11/2002	6909641	10/26/2004
	JAPAN	2002-196495	7/4/2002	3684373	6/10/2005
	CHINA	02140676.6	7/12/2002	101271871	8/23/2006
	KR	1020010041909	7/12/2001	420395	2/16/2004
29	U.S.A.	14/225,729	3/26/2014	8933955	12/23/2014
	U.S.A.	2013-035625	9/24/2013	8706168	4/22/2014
	U.S.A.	2012-654043	10/17/2012	8554185	10/8/2013
	U.S.A.	2009-412079	3/26/2009	8311519	11/13/2012
	JAPAN	2009-133842	6/4/2009	4764496	6/17/2011
	KR	1020080052642	6/4/2008	1481408	1/6/2015
30	U.S.A.	2004-007603	12/7/2004	7260419	8/21/2007
	KR	1020030088563	12/8/2003	603437	7/13/2006
31	U.S.A.	14/061316	10/23/2013	Pending	
	U.S.A.	2012-649539	10/11/2012	RE44620	7/9/2013
	U.S.A.	2011-300799	11/21/2011	RE43789	11/6/2012
	U.S.A.	2009-612327	11/4/2009	RE42996	12/6/2011
	U.S.A.	2004-882604	6/30/2004	7292561	11/6/2007
	KR	1020030087886	12/5/2003	633741	10/4/2006
32	U.S.A.	2013-861177	4/11/2013	9661113	5/23/2017
	U.S.A.	2010-716600	3/3/2010	8433379	4/30/2013
	U.S.A.	2005-106118	4/13/2005	7693558	4/6/2010
	KR	1020040025922	4/14/2004	598062	6/30/2006
33	U.S.A.	2011-171344	6/28/2011	8200899	6/12/2012
	U.S.A.	2009-362760	1/30/2009	7991958	8/2/2011
	KR	1020080046505	5/20/2008	985617	9/29/2010
34	U.S.A.	2005-295202	12/6/2005	7567530	7/28/2009
37	U.S.A.	2002-253256	9/24/2002	7136671	11/14/2006
38	U.S.A.	2015-929965	11/2/2015	9729699	8/8/2017

	U.S.A.	2014-196273	3/4/2014	9178982	11/3/2015
	U.S.A.	2013-746125	1/21/2013	8699987	4/15/2014
	U.S.A.	2009-625191	11/24/2009	8374572	2/12/2013
	U.S.A.	15/672,018	8/8/2017	10158752	12/18/2018
	U.S.A.	2003-749788	12/30/2003	7643815	1/5/2010
40	U.S.A.	2010-944436	11/11/2010	8060114	11/15/2011
	U.S.A.	2010-693142	1/25/2010	7912482	3/22/2011
	KR	1020040088333	11/2/2004	0632667	9/28/2006
	U.S.A.	2004-021778	12/23/2004	7668553	2/23/2010
41	U.S.A.	2004-899638	7/26/2004	7151487	12/19/2006
	U.S.A.	2003-749598	12/30/2003	6784829	8/31/2004
	CHINA	200410064136.5	8/19/2004	ZL200410064136.5	4/20/2011
	KR	1020030057848	8/21/2003	540248	12/23/2005
42	U.S.A.	2003-750000	12/30/2003	7006037	2/28/2006
	KR	1020030033022	5/23/2003	543308	1/6/2006
43	U.S.A.	16/287,787	2/27/2019	Pending	
	U.S.A.	2014-307326	6/17/2014	9495730	11/15/2016
	U.S.A.	2012-669162	11/5/2012	8767018	7/1/2014
	U.S.A.	13/363,428	2/1/2012	8319799	11/27/2012
	U.S.A.	2010-814262	6/11/2010	8120626	2/21/2012
	U.S.A.	2006-453433	6/28/2006	7755647	7/13/2010
	CHINA	200610095738.6	6/28/2006	101982805	6/15/2011
	KR	1020050056173	6/28/2005	756129	8/30/2007
44	U.S.A.	2011-275103	10/17/2011	8446915	5/21/2013
	U.S.A.	2010-716575	3/3/2010	8054846	11/8/2011
	U.S.A.	2006-441981	5/26/2006	7693163	4/6/2010
	KR	1020050045625	5/30/2005	653527	11/27/2006
45	U.S.A.	2004-933670	9/3/2004	7102196	9/5/2006
	KR	1020030062570	9/8/2003	539960	12/22/2005
46	U.S.A.	2002-214430	8/8/2002	6801271	10/5/2004
	JAPAN	2002-214711	7/24/2002	3773472	2/24/2006
	E.P.O	02014550	7/1/2002	1 316 841	1/1/2014
	U.K.	02014550	7/1/2002	1 316 841	1/1/2014
	FRANCE	02014550	7/1/2002	1 316 841	1/1/2014
	GERMANY	02014550	7/1/2002	02 014 550.4	1/1/2014
	CHINA	02140295.7	7/4/2002	ZL02140295.7	2/2/2005
	KR	1020010075793	12/3/2001	432009	5/7/2004
47	U.S.A.	2002-071750	2/6/2002	6925313	8/2/2005
	JAPAN	2002-031225	2/7/2002	4034079	11/2/2007
	ITALY	02250854	2/7/2002	1231757	11/15/2006

	HONG KONG	02109172.9	12/18/2002	1047666	3/4/2005
	E.P.O	02250854	2/7/2002	1231757	11/15/2006
	U.K.	02250854	2/7/2002	1231757	11/15/2006
	FRANCE	02250854	2/7/2002	1231757	11/15/2006
	GERMANY	02250854	2/7/2002	1231757	11/15/2006
	CHINA	02106877.1	2/7/2002	ZL02106877.1	10/6/2004
48	U.S.A.	2009-645912	12/23/2009	8270999	9/18/2012
	U.S.A.	2006-647636	12/28/2006	7660592	2/9/2010
	KR	1020050133300	12/29/2005	651594	11/22/2006
49	U.S.A.	2013-860672	4/11/2013	9204118	8/14/2015
	U.S.A.	2010-686822	1/13/2010	8433367	4/30/2013
	U.S.A.	2008-217175	7/2/2008	7668569	2/23/2010
	U.S.A.	2005-255610	10/21/2005	7412262	8/12/2008
	JAPAN	2010-099211	4/22/2010	5210347	3/1/2013
	JAPAN	2005-308910	10/24/2005	4557864	7/30/2010
	GERMANY	102005053671.9	11/10/2005	102005053671	12/24/2008
	CHINA	200510120388.x	11/11/2005	ZL200510120388.X	4/1/2009
	KR	1020040101848	12/6/2004	620741	8/29/2006
50	U.S.A.	2005-106160	4/13/2005	7283839	10/16/2007
	HONG KONG	06103630.4	3/22/2006	1083574	10/15/2010
	E.P.O	05252337	4/14/2005	1587288	11/3/2010
	U.K.	05252337	4/14/2005	1587288	11/3/2010
	FRANCE	05252337	4/14/2005	1587288	11/3/2010
	GERMANY	05252337	4/14/2005	1587288	11/3/2010
	KR	1020040083073	10/18/2004	572464	4/18/2006
	CHINA	200510079253.3	4/14/2005	101694372	5/26/2010
51	U.S.A.	2000-655036	9/5/2000	6557010	4/29/2003
	JAPAN	2000-272619	9/8/2000	3638249	1/21/2005
52	U.S.A.	2002-185141	6/27/2002	7103387	9/5/2006
	JAPAN	2002-201859	7/10/2002	3917027	2/16/2007
	E.P.O	02254584	6/28/2002	1309157	8/17/2011
	U.K.	02254584	6/28/2002	1309157	8/17/2011
	FRANCE	02254584	6/28/2002	1309157	8/17/2011
	GERMANY	02254584	6/28/2002	1309157	8/17/2011
	CHINA	02140907.2	7/9/2002	ZL02140907.2	6/4/2008
	KR	1020010067663	10/31/2001	438208	6/21/2004
53	U.S.A.	15/131,746	4/18/2016	9839000	12/05/2017
	U.S.A.	15/801,433	11/2/2017	Pending	
	U.S.A.	14/563,058	12/8/2014	9319507	4/19/2016
	U.S.A.	2013-972475	8/21/2013	8923927	12/10/2014

	U.S.A.	2011-052836	3/21/2011	8532626	9/10/2013
	U.S.A.	2008-183506	7/31/2008	7925242	4/12/2011
	U.S.A.	2006-354608	2/14/2006	7420566	9/2/2008
	KR	1020050012498	2/15/2005	610487	8/1/2006
54	KR	1020050009451	2/2/2005	656670	12/5/2006
	U.S.A.	2005-134778	5/19/2005	7475332	1/6/2009
55	U.S.A.	2012-676214	11/14/2012	8588755	6/17/2013
	U.S.A.	12/816,688	6/16/2010	8331920	12/11/2012
	KR	1020090065796	7/20/2009	1026905	3/28/2011
56	U.S.A.	2006-580741	10/12/2006	7636845	12/22/2009
	KR	1020050123711	12/15/2005	755536	8/29/2007
57	U.S.A.	2011-311458	12/5/2011	8565724	10/22/2013
	U.S.A.	2008-150905	5/1/2008	8078145	12/13/2011
	U.S.A.	2003-602810	6/24/2003	7386297	6/10/2008
	CHINA	03127468.4	6/30/2003	ZL03127468.4	12/5/2007
	KR	1020020085938	12/28/2002	551421	2/3/2006
62	U.S.A.	2016-082832	3/28/2016	9596352	3/14/2017
	U.S.A.	14/685,143	4/13/2015	9300805	3/29/2016
	U.S.A.	2013-058968	10/21/2013	9008637	4/14/2015
	U.S.A.	2011-182024	7/13/2011	8583098	7/8/2013
	U.S.A.	15/457,560	3/13/2017	10009471	06/26/2018
	U.S.A.	15/988,020	5/24/2018	10257359	4/9/2019
	KR	1020110000808	1/5/2011	1308192	9/6/2013
63	U.S.A.	15/338,993	10/31/2016	9769776	9/19/2017
	U.S.A.	15/709,185	9/20/2017	10015759	7/3/2018
	U.S.A.	16/424,258	5/28/2019	10582460	3/3/2020
	U.S.A.	14/626,047	2/19/2015	9516614	12/6/2016
	U.S.A.	13/849,296	3/22/2013	8964645	2/24/2015
	KR	1020120030216	3/23/2012	10-1885540	7/31/2018
64	U.S.A.	2016-173139	6/3/2016	9794029	10/17/2017
	U.S.A.	16/227,369	12/20/2018	Pending	
	U.S.A.	15/705,131	9/14/2017	Pending	
	U.S.A.	2015-942519	11/16/2015	9363801	6/7/2016
	U.S.A.	2015-707736	5/8/2015	9191932	11/17/2015
	U.S.A.	2013-888891	5/7/2013	9030973	5/12/2015
	JAPAN	2015-511358	11/7/2014	6132370	4/28/2017
	E.P.O	13788210.6	5/7/2013	2850758	9/5/2018
	GERMANY	13788210.6	5/7/2013	2850758	9/5/2018
	FRANCE	13788210.6	5/7/2013	2850758	9/5/2018
	U.K.	13788210.6	5/7/2013	2850758	9/5/2018

	CHINA	201380035640.X	1/4/2015	ZL201380035640.X	1/5/2018
65	U.S.A.	14/589971	1/5/2015	10004062	6/19/2018
	U.S.A.	16/685,738	11/15/2019	Pending	
	U.S.A.	13/978524	7/5/2013	8934440	1/13/2015
	KR	1020110001992	1/7/2011	10-1835023	2/27/2018
66	U.S.A.	2014-754045	6/29/2015	10103916	10/16/2018
	U.S.A.	2012-580779	8/23/2012	9071488	6/30/2015
	KR	1020100016195	2/23/2010	1652251	8/24/2016
67	U.S.A.	15/167,518	5/27/2016	10162490	12/25/2018
	U.S.A.	14/816,736	8/3/2015	9357363	5/31/2016
	U.S.A.	2009-364085	2/2/2009	9100496	8/4/2015
	U.S.A.	16/203,174	11/28/2018	10540066	1/21/2020
	GERMANY	DE200960000657T	3/26/2009	EP2117208	1/26/2011
	SPAIN	ES200901563357	3/26/2009	ES2362448T3	7/5/2011
	E.P.O	09156335.3	3/26/2009	2117208	1/26/2011
	FRANCE	09156335.3	3/26/2009	2117208	1/26/2011
	U.K.	09156335.3	3/26/2009	2117208	1/26/2011
	NETHERLAND	09156335.3	3/26/2009	2117208	1/26/2011
	KR	1020080042843	5/8/2008	986376	10/1/2010
68	U.S.A.	15/017,133	2/5/2016	Pending	
	U.S.A.	2013-756444	2/4/2013	9256747	2/9/2016
	KR	1020120019288	2/24/2012	1332811	11/19/2013
69	U.S.A.	2016-010629	1/29/2016	9575631	2/21/2017
	U.S.A.	2015-840844	8/31/2015	9250957	2/2/2016
	U.S.A.	2006-495863	7/28/2006	9122518	4/22/2015
	U.S.A.	15/436,299	2/17/2017	10282054	5/7/2019
	U.S.A.	16/405,803	5/7/2019	Pending	
	KR	1020050073877	8/11/2005	642847	10/30/2006
71	U.S.A.	2016-354691	11/17/2016	9930499	3/27/2018
	U.S.A.	14/827,716	8/17/2015	9503559	11/22/2016
	U.S.A.	2014-152152	1/10/2014	9113312	8/18/2015
	U.S.A.	2011-191363	7/26/2011	8634818	1/21/2014
	E.P.O	11176526.9	8/4/2011	2424170	12/19/2018
	GERMANY	11176526.9	11/29/2018	2424170	12/19/2018
	FRANCE	11176526.9	11/29/2018	2424170	12/19/2018
	U.K.	11176526.9	11/29/2018	2424170	12/19/2018
	CHINA	201110237610.X	8/18/2011	201110237610.X	4/13/2016
	U.S.A.	15/911,495	3/5/2018	10225697	3/5/2019
	U.S.A.	16/290,914	3/3/2019	Pending	
	KR	1020100081908	8/24/2010	1333879	11/21/2013

73	U.S.A.	12/556,331	9/9/2009	8332706	12/11/2012
	KR	1020090022356	3/16/2009	1048865	7/6/2011
74	U.S.A.	2008-599463	11/9/2009	8279744	5/22/2012
	JAPAN	2013-035032	2/25/2013	5628948	9/2/2014
	CHINA	200880023808.4	1/7/2010	ZL200880023808.4	12/11/2012
	KR	1020070045848	5/11/2007	895576	4/22/2009
75	U.S.A.	2005-285960	11/23/2005	7881723	2/1/2011
	CHINA	200510137366.4	11/23/2005	ZL200510137366.4	6/16/2010
	KR	1020040096090	11/23/2004	650058	11/20/2006
76	JAPAN	2013-021345	2/6/2013	5411369	11/15/2013
	KR	1020120023831	3/8/2012	1314472	9/26/2013
77	U.S.A.	2011-195563	8/1/2011	8606284	12/10/2013
	E.P.O	11177039.2	8/10/2011	2424309	12/4/2013
	U.K.	11177039.2	8/10/2011	2424309	12/4/2013
	FRANCE	11177039.2	8/10/2011	2424309	12/4/2013
	GERMANY	11177039.2	8/10/2011	2424309	12/4/2013
	CHINA	201110253571.2	8/30/2011	102387527	12/3/2014
	KR	1020100084319	8/30/2010	1318013	10/7/2013
78	U.S.A.	2013-857294	4/5/2013	9072108	2/18/2015
	U.S.A.	2011-012753	1/24/2011	8433350	12/28/2012
	U.S.A.	2007-846093	8/29/2007	7890130	2/15/2011
	TAIWAN	096131797	8/28/2007	I 377799	8/24/2012
	MEXICO	MX/a/2007/010613	8/30/2007	274942	4/6/2010
	JAPAN	2007-223594	8/30/2007	4685842	1/13/2011
	U.K.	07253398	8/29/2007	1895795	3/9/2016
	FRANCE	07253398	8/29/2007	1895795	3/9/2016
	E.P.O	07253398	8/29/2007	1895795	3/9/2016
	GERMANY	07253398	8/29/2007	1895795	3/9/2016
	CHINA	200710147192.9	8/30/2007	ZL 200710147192.9	11/16/2010
	KR	1020060082992	8/30/2006	765892	10/4/2007
79	U.S.A.	2012-412933	3/6/2012	9167534	6/8/2015
	U.S.A.	2007-846106	8/29/2007	8145252	11/16/2011
	TAIWAN	096132057	8/29/2007	I414188	7/22/2013
	MEXICO	MX/a/2007/010612	8/30/2007	10-274412	3/10/2010
	JAPAN	2007-223592	8/30/2007	4598038	10/1/2010
	E.P.O	07253403	8/29/2007	1895678	7/11/2018
	GERMANY	07253403	5/29/2018	1895678	7/11/2018
	FRANCE	07253403	5/29/2018	1895678	7/11/2018
	U.K.	07253403	5/29/2018	1895678	7/11/2018
	IRELAND	07253403.5	5/29/2018	1895678	7/11/2018

	CHINA	200710147199.0	8/30/2007	ZL 200710147199.0	2/24/2011
	KR	1020060082991	8/30/2006	753369	8/23/2007
81	U.S.A.	2005-285943	11/23/2005	7577115	8/18/2009
	E.P.O	05257261.7	11/25/2005	1662671	11/3/2010
	NETHERLAND	05257261.7	11/25/2005	1662671	11/3/2010
	U.K.	05257261.7	11/25/2005	1662671	11/3/2010
	FRANCE	05257261.7	11/25/2005	1662671	11/3/2010
	FINLAND	05257261.7	11/25/2005	1662671	11/3/2010
	GERMANY	05257261.7	11/25/2005	1662671	11/3/2010
	CHINA	200510121565.6	11/25/2005	ZL200510121565.6	4/30/2008
	KR	1020040097330	11/25/2004	622149	9/1/2006
83	U.S.A.	2002-330737	12/27/2002	7167716	1/23/2007
	HONG KONG	03108579.9	11/25/2003	1056450	8/18/2006
	CHINA	02154242.2	12/31/2002	ZL02154242.2	4/19/2006
84	U.S.A.	2011-143688	7///2011	8559480	10/15/2013
	JAPAN	2011-546214	7/19/2011	5228113	3/22/2013
	E.P.O	10733619.0	6/29/2011	2381584	8/8/2018
	FRANCE	10733619.0	1/15/2010	2381584	8/8/2018
	GERMANY	10733619.0	1/15/2010	2381584	8/8/2018
	U.K.	10733619.0	1/15/2010	2381584	8/8/2018
	CHINA	201080004784.5	7/18/2011	ZL 201080004784.5	11/26/2014
	KR	1020090004682	1/20/2009	991957	10/28/2010
85	U.S.A.	2009-629570	12/2/2009	8345867	1/1/2013
	JAPAN	2011-538568	5/27/2011	5230820	3/29/2013
	E.P.O	9830590.7	12/2/2009	2359512	8/24/2016
	GERMANY	9830590.7	12/2/2009	2359512	8/24/2016
	FRANCE	09830590.7	12/2/2009	2359512	8/24/2016
	U.K.	09830590.7	12/2/2009	2359512	8/24/2016
	CHINA	200980148059.5	5/31/2011	ZL200980148059.2	7/28/2014
	KR	1020080121495	12/2/2008	1037520	5/20/2011
86	U.S.A.	2010-383821	1/12/2012	9009207	4/14/2015
	E.P.O	10800014.2	2/10/2012	2456117	9/9/2015
	U.K.	10800014.2	2/10/2012	2456117	9/9/2015
	FRANCE	10800014.2	2/10/2012	2456117	9/9/2015
	GERMANY	10800014.2	2/10/2012	2456117	9/9/2015
	CHINA	201080037807.2	2/24/2012	ZL201080037807.2	4/15/2016
	KR	1020090063719	7/13/2009	1685173	12/5/2016
88	U.S.A.	12/582,164	10/20/2009	8675510	10/31/2013
	KR	1020080104313	10/23/2008	1041681	6/8/2011
89	U.S.A.	12/958,749	12/2/2010	Pending	

	U.S.A.	2006-532284	9/13/2006	7853289	12/14/2010
	CHINA	200610159202.6	9/22/2006	ZL200610159202.6	10/7/2009
	KR	1020050088083	9/22/2005	694378	3/6/2007
90	U.S.A.	16/452,244	6/25/2019	Pending	
	U.S.A.	2012-653969	10/17/2012	9398499	7/19/2016
	KR	1020120043688	4/26/2012	1341303	12/6/2013
91	U.S.A.	2011-177761	7/7/2011	8929223	12/17/2014
	KR	1020100136900	12/28/2010	1266692	5/14/2013
92	U.S.A.	12/832,665	7/8/2010	8301151	6/29/2012
	KR	1020090098752	10/16/2009	1065092	9/7/2011
93	U.S.A.	2009-539364	10/12/2009	RE43930	8/30/2012
	U.S.A.	2004-835876	4/29/2004	7257410	8/14/2007
	KR	1020030061086	9/2/2003	511554	8/24/2005
94	U.S.A.	12/759,974	4/14/2010	RE43059	1/3/2012
	U.S.A.	2003-729755	12/4/2003	7366222	4/29/2008
	KR	1020020083746	12/24/2002	470401	1/27/2005
95	U.S.A.	2005-263858	11/2/2005	7904025	3/8/2011
	KR	1020040103715	12/9/2004	698665	3/15/2007
96	U.S.A.	12/861,637	8/23/2010	8098624	1/17/2012
	U.S.A.	2005-132400	5/19/2005	7801074	9/21/2010
	KR	1020040059401	7/28/2004	620713	8/29/2006
97	U.S.A.	2003-744321	12/22/2003	7333828	2/19/2008
	KR	2003-0098663	12/31/2002	598055	7/10/2006
98	U.S.A.	2003-749456	12/31/2003	7123912	10/17/2006
	KR	1020030026991	4/29/2003	0592885	6/16/2006