CLAIMS

I claim:

1. A computer implemented method for recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of an electronic device, comprising:

providing a gesture based media recording application executable by at least one processor configured to manage said graphical user interface of said electronic device and actions associated with said recording of said media data in said one or more of said communication modes on said electronic device;

defining a plurality of interface regions on said graphical user interface of said electronic device by said gesture based media recording application;

detecting one of multiple gestures on one of said defined interface regions by said gesture based media recording application;

performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said one of said gestures on said one of said defined interface regions;

detecting another one of said gestures on one of: said one of said defined interface regions and another one of said defined interface regions, by said gesture based media recording application; and

performing a second action, in response to said detection of said another one of said gestures on said one of: said one of said defined interface regions and said

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another one of said defined interface regions, by said gesture based media recording application.

2. The computer implemented method of claim 1, wherein said first action and said second action are at least one of:

triggering said recording of said media data;

switching from said one of said communication modes to another one of said communication modes for said recording of said media data;

canceling said recording of said media data; and

generating and displaying a plurality of options for performing an operation associated with said recorded media data.

3. The computer implemented method of claim 1, further comprising streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data by said gesture based media recording application.

4. The computer implemented method of claim 1, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

5. The computer implemented method of claim 1, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof.

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6. The computer implemented method of claim 1, wherein said gestures comprise a drag and drop gesture, a click gesture, a double click gesture, a click and hold gesture, a tap gesture, a tap and hold gesture, a hold and swipe gesture, a touch gesture, a slide gesture, a glide gesture, a scrolling gesture, and any combination thereof.

7. The computer implemented method of claim 1, further comprising associating a predefined function from a plurality of predefined functions with each of said defined interface regions on said graphical user interface by said gesture based media recording application.

8. The computer implemented method of claim 7, further comprising dynamically changing said predefined function associated with one of said defined interface regions to another one of said predefined functions by said gesture based media recording application based on one or more of said communication modes and user preferences.

9. The computer implemented method of claim 1, further comprising configuring predefined functions for one or more of said defined interface regions based on user preferences by said gesture based media recording application.

10. A computer implemented method for recording audio data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of an electronic device, comprising:

providing a gesture based audio recording application executable by at least one processor configured to manage said graphical user interface of said electronic device and actions associated with said recording of said audio data in said one or more of said communication modes on said electronic device;

defining a plurality of interface regions on said graphical user interface of said electronic device by said gesture based audio recording application;

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detecting one of multiple gestures on one of said defined interface regions by said gesture based audio recording application;

performing a first action associated with said recording of said audio data in one of said communication modes by said gesture based audio recording application, on said detection of said one of said gestures on said one of said defined interface regions;

detecting another one of said gestures on one of: said one of said defined interface regions and another one of said defined interface regions, by said gesture based audio recording application; and

performing a second action, in response to said detection of said another one of said gestures on said one of: said one of said defined interface regions and said another one of said defined interface regions, by said gesture based audio recording application.

11. The computer implemented method of claim 10, wherein said first action and said second action are at least one of:

triggering said recording of said audio data;

switching from said one of said communication modes to another one of said communication modes for said recording of said audio data;

canceling said recording of said audio data; and

generating and displaying a plurality of options for performing an operation associated with said recorded audio data.

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12. The computer implemented method of claim 10, further comprising streaming said audio data to a server via a network at one of: (a) continuously while recording said audio data, (b) at predefined time intervals after initiation of said recording of said audio data, and (c) after completion of said recording of said audio data by said gesture based audio recording application.

13. The computer implemented method of claim 10, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

14. The computer implemented method of claim 10, further comprising associating a predefined function from a plurality of predefined functions with each of said defined interface regions on said graphical user interface by said gesture based audio recording application.

15. The computer implemented method of claim 14, further comprising dynamically changing said predefined function associated with one of said defined interface regions to another one of said predefined functions by said gesture based audio recording application based on one or more of said communication modes and user preferences.

16. The computer implemented method of claim 10, further comprising configuring predefined functions for one or more of said defined interface regions based on user preferences by said gesture based audio recording application.

17. A computer implemented method for recording audio data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of an electronic device, comprising:

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providing a gesture based audio recording application executable by at least one processor configured to manage said graphical user interface of said electronic device and trigger said recording of said audio data in said one or more of said communication modes on said electronic device;

defining a plurality of interface regions on said graphical user interface of said electronic device by said gesture based audio recording application;

detecting one of multiple gestures on one of said defined interface regions by said gesture based audio recording application;

triggering recording of said audio data in one of said communication modes by said gesture based audio recording application, on detection of said one of said gestures on said one of said defined interface regions;

detecting another one of said gestures on one of: said one of said defined interface regions and another one of said defined interface regions by said gesture based audio recording application; and

performing an action, in response to said detection of said another one of said gestures on said one of: said one of said defined interface regions and said another one of said defined interface regions, by said gesture based audio recording application.

18. The computer implemented method of claim 17, wherein said action is at least one of:

switching from said one of said communication modes to another one of said communication modes for recording said audio data in said another one of said communication modes;

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canceling said recording of said audio data in one of said communication modes; and

generating and displaying a plurality of options for performing an operation associated with said recorded audio data.

19. The computer implemented method of claim 17, wherein said communication modes comprise a press and hold communication mode and a tap to start communication mode.

20. The computer implemented method of claim 17, further comprising associating a predefined function from a plurality of predefined functions with each of said defined interface regions on said graphical user interface by said gesture based audio recording application.

21. The computer implemented method of claim 20, further comprising dynamically changing said predefined function associated with one of said defined interface regions to another one of said predefined functions based on one or more of said communication modes and user preferences.

22. A computer implemented system for recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of an electronic device, said computer implemented system comprising:

at least one processor configured to execute a gesture based media recording application;

a non-transitory computer readable storage medium communicatively coupled to said at least one processor, said non-transitory computer readable storage medium configured to store said gesture based media recording application;

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said gesture based media recording application configured to manage said graphical user interface of said electronic device and actions associated with said recording of said media data in said one or more of said communication modes on said electronic device, said gesture based media recording application comprising:

an interface definition module configured to define a plurality of interface regions on said graphical user interface of said electronic device;

a detection module configured to detect one of multiple gestures on one of said defined interface regions;

an action management module configured to perform a first action associated with said recording of said media data in one of said communication modes, on said detection of said one of said gestures on said one of said defined interface regions;

said detection module further configured to detect another one of said gestures on one of: said one of said defined interface regions and another one of said defined interface regions; and

said action management module configured to perform a second action, in response to said detection of said another one of said gestures on said one of: said one of said defined interface regions and said another one of said defined interface regions.

23. The computer implemented system of claim 22, wherein said first action and said second action are at least one of:

triggering said recording of said media data;

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switching from said one of said communication modes to another one of said communication modes for said recording of said media data;

canceling said recording of said media data; and

generating and displaying a plurality of options for performing an operation associated with said recorded media data.

24. The computer implemented system of claim 22, wherein said gesture based media recording application further comprises a media recording module configured to stream said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data.

25. The computer implemented system of claim 22, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

26. The computer implemented system of claim 22, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof.

27. The computer implemented system of claim 22, wherein said interface definition module is further configured to associate a predefined function from a plurality of predefined functions with each of said defined interface regions on said graphical user interface.

28. The computer implemented system of claim 27, wherein said interface definition module is further configured to dynamically change said predefined function

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associated with one of said defined interface regions to another one of said predefined functions based on one or more of said communication modes and user preferences.

29. The computer implemented system of claim 22, wherein said interface definition module is further configured to configure predefined functions for one or more of said defined interface regions based on user preferences.

30. A computer implemented system for recording audio data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of an electronic device, said computer implemented system comprising:

at least one processor configured to execute a gesture based audio recording application;

a non-transitory computer readable storage medium communicatively coupled to said at least one processor, said non-transitory computer readable storage medium configured to store said gesture based audio recording application; and

said gesture based audio recording application configured to manage said graphical user interface of said electronic device and actions associated with said recording of said audio data in said one or more of said communication modes on said electronic device, said gesture based audio recording application comprising:

an interface definition module configured to define a plurality of interface regions on said graphical user interface of said electronic device;

a detection module configured to detect one of multiple gestures on one of said defined interface regions;

an action management module configured to perform a first action associated with said recording of said audio data in one of said

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communication modes, on said detection of said one of said gestures on said one of said defined interface regions;

said detection module further configured to detect another one of said gestures on one of: said one of said defined interface regions and another one of said defined interface regions; and

said action management module configured to perform a second action, in response to said detection of said another one of said gestures on said one of: said one of said defined interface regions and said another one of said defined interface regions.

31. The computer implemented system of claim 30, wherein said first action and said second action are at least one of:

triggering said recording of said audio data;

switching from said one of said communication modes to another one of said communication modes for said recording of said audio data;

canceling said recording of said audio data; and

generating and displaying a plurality of options for performing an operation associated with said recorded audio data.

32. The computer implemented system of claim 30, wherein said gesture based audio recording application further comprises a media recording module configured to stream said audio data to a server via a network at one of: (a) continuously while recording said audio data, (b) at predefined time intervals after initiation of said recording of said audio data, and (c) after completion of said recording of said audio data.

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33. The computer implemented system of claim 30, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

34. A computer program product comprising a non-transitory computer readable storage medium, said non-transitory computer readable storage medium storing computer program codes that comprise instructions executable by at least one processor, said computer program codes comprising:

a first computer program code for defining a plurality of interface regions on a graphical user interface of an electronic device;

a second computer program code for detecting one of multiple gestures on one of said defined interface regions;

a third computer program code for performing a first action associated with recording of media data in one of a plurality of communication modes, on said detection of said one of said gestures on said one of said defined interface regions, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof;

a fourth computer program code for detecting another one of said gestures on one of: said one of said defined interface regions and another one of said defined interface regions; and

a fifth computer program code for performing a second action, in response to said detection of said another one of said gestures on said one of: said one of said defined interface regions and said another one of said defined interface regions.

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35. The computer program product of claim 34, wherein said third computer program code and said fifth computer program code comprise at least one of:

a sixth computer program code for triggering said recording of said media data;

a seventh computer program code for switching from said one of said communication modes to another one of said communication modes for said recording of said media data;

an eighth computer program code for canceling said recording of said media data; and

a ninth computer program code for generating and displaying a plurality of options for performing an operation associated with said recorded media data.

36. The computer program product of claim 34, wherein said computer program codes further comprise a tenth computer program code for associating a predefined function from a plurality of predefined functions with each of said defined interface regions on said graphical user interface.

37. The computer program product of claim 36, wherein said computer program codes further comprise an eleventh computer program code for dynamically changing said predefined function associated with one of said defined interface regions to another one of said predefined functions based on one or more of said communication modes and user preferences.

38. The computer program product of claim 34, wherein said computer program codes further comprise a twelfth computer program code for configuring predefined functions for one or more of said defined interface regions based on user preferences.

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39. The computer program product of claim 34, wherein said computer program codes further comprise a thirteenth computer program code for streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data.

40. The computer program product of claim 34, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

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PTO/AIA/15 (07-12)
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UTILITY PATENT APPLICATION TRANSMITTAL

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

Attorney Docket No.	KIRU-14NP-US
First Inventor	Kieraj Singh Mumick
Title	Adaptive Communication Mode For Recording A Media Message
Express Mail Label No.	

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☐ **Fee Transmittal Form.** (PTO/SB/17 or equivalent)
2. ☑ **Applicant claims small entity status.** See 37 CFR 1.27.
3. ☑ **Specification.** [*Total Pages* 50] Both the claims and abstract must start on a new page *(For information on the preferred arrangement, see MPEP § 608.01(a))*
4. ☑ **Drawing(s).** (*35 U.S.C. 113*) [*Total Sheets* 13]
5. **Inventor's Oath or Declaration.** [*Total Sheets* 2] *(including substitute statements under 37 CFR 1.64 and assignments serving as an oath or declaration under 37 CFR 1.63(e))*
   a. ☑ Newly executed (original or copy)
   b. ☐ A copy from a prior application (37 CFR 1.63(d))
6. ☑ **Application Data Sheet.** **See Note below.* See 37 CFR 1.76 (PTO/AIA/14 or equivalent)
7. ☐ **CD-ROM or CD-R.** in duplicate, large table or Computer Program *(Appendix)*
   ☐ Landscape Table on CD
8. **Nucleotide and/or Amino Acid Sequence Submission.** *(if applicable, items a. – c. are required)*
   a. ☐ Computer Readable Form (CRF)
   b. ☐ Specification Sequence Listing on:
      i. ☐ CD-ROM or CD-R (2 copies); or
      ii. ☐ Paper
   c. ☐ Statements verifying identity of above copies

ADDRESS TO: **Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450**

ACCOMPANYING APPLICATION PARTS

9. ☑ **Assignment Papers.** (cover sheet & document(s)) Name of Assignee Kirusa Inc.
10. ☐ **37 CFR 3.73(c) Statement.** *(when there is an assignee)* ☑ **Power of Attorney.**
11. ☐ **English Translation Document.** *(if applicable)*
12. ☐ **Information Disclosure Statement.** (PTO/SB/08 or PTO-1449) ☐ Copies of citations attached
13. ☐ **Preliminary Amendment.**
14. ☐ **Return Receipt Postcard.** *(MPEP § 503) (Should be specifically itemized)*
15. ☐ **Certified Copy of Priority Document(s).** *(if foreign priority is claimed)*
16. ☐ **Nonpublication Request.** Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent.
17. ☐ **Other:**

***Note:** (1) Benefit claims under 37 CFR 1.78 and foreign priority claims under 1.55 **must** be included in an Application Data Sheet (ADS).
(2) For applications filed under 35 U.S.C. 111, the application must contain an ADS specifying the applicant if the applicant is an assignee, person to whom the inventor is under an obligation to assign, or person who otherwise shows sufficient proprietary interest in the matter. See 37 CFR 1.46(b).

18. CORRESPONDENCE ADDRESS

☐ The address associated with Customer Number: _____ ***OR*** ☑ Correspondence address below

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Country	USA	Telephone	856-266-5145	Email	ash@ipprocurement.com

Signature	/a tankha/	Date	8 October 2013
Name (Print/Type)	Ashok Tankha	Registration No. (Attorney/Agent)	33802

This collection of information is required by 37 CFR 1.53(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.

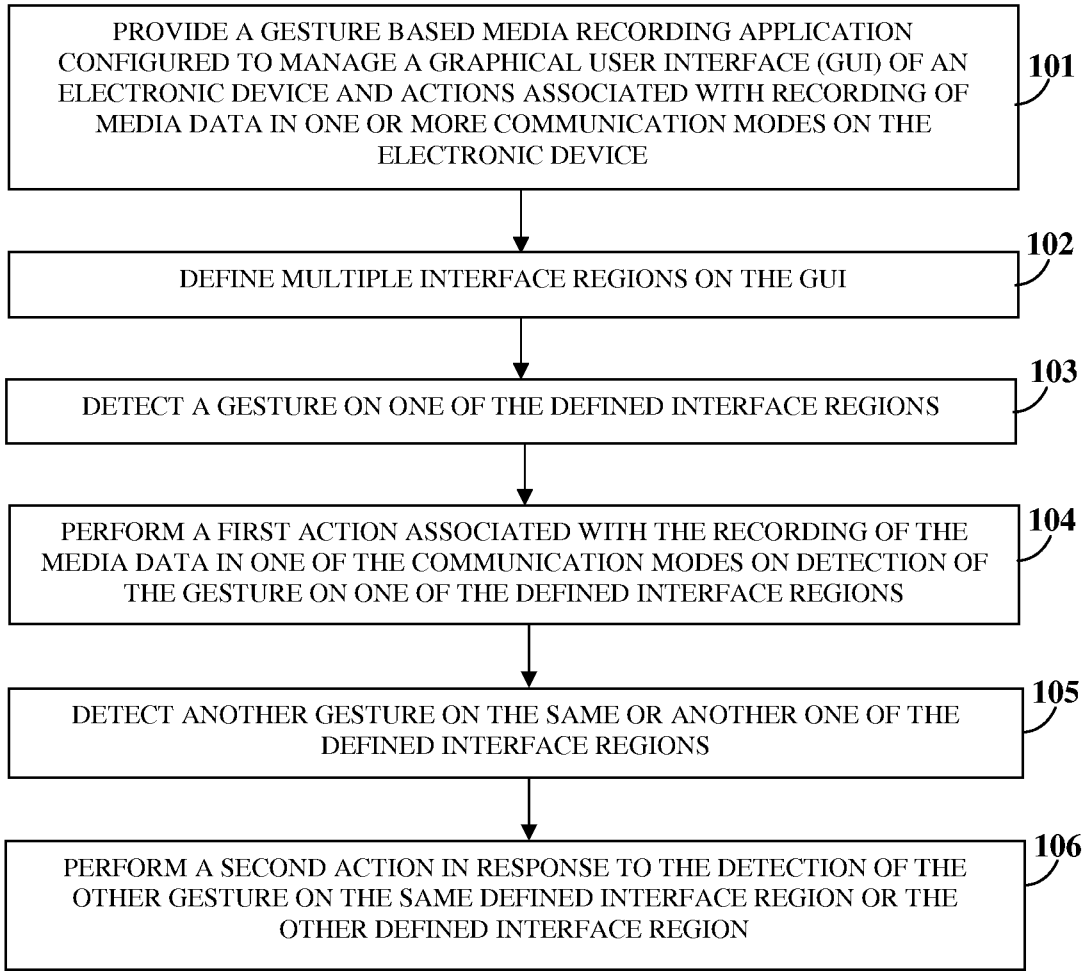

PROVIDE A GESTURE BASED MEDIA RECORDING APPLICATION CONFIGURED TO MANAGE A GRAPHICAL USER INTERFACE (GUI) OF AN ELECTRONIC DEVICE AND ACTIONS ASSOCIATED WITH RECORDING OF MEDIA DATA IN ONE OR MORE COMMUNICATION MODES ON THE ELECTRONIC DEVICE
101
DEFINE MULTIPLE INTERFACE REGIONS ON THE GUI
102
DETECT A GESTURE ON ONE OF THE DEFINED INTERFACE REGIONS
103
PERFORM A FIRST ACTION ASSOCIATED WITH THE RECORDING OF THE MEDIA DATA IN ONE OF THE COMMUNICATION MODES ON DETECTION OF THE GESTURE ON ONE OF THE DEFINED INTERFACE REGIONS
104
DETECT ANOTHER GESTURE ON THE SAME OR ANOTHER ONE OF THE DEFINED INTERFACE REGIONS
105
PERFORM A SECOND ACTION IN RESPONSE TO THE DETECTION OF THE OTHER GESTURE ON THE SAME DEFINED INTERFACE REGION OR THE OTHER DEFINED INTERFACE REGION
106

FIG. 1

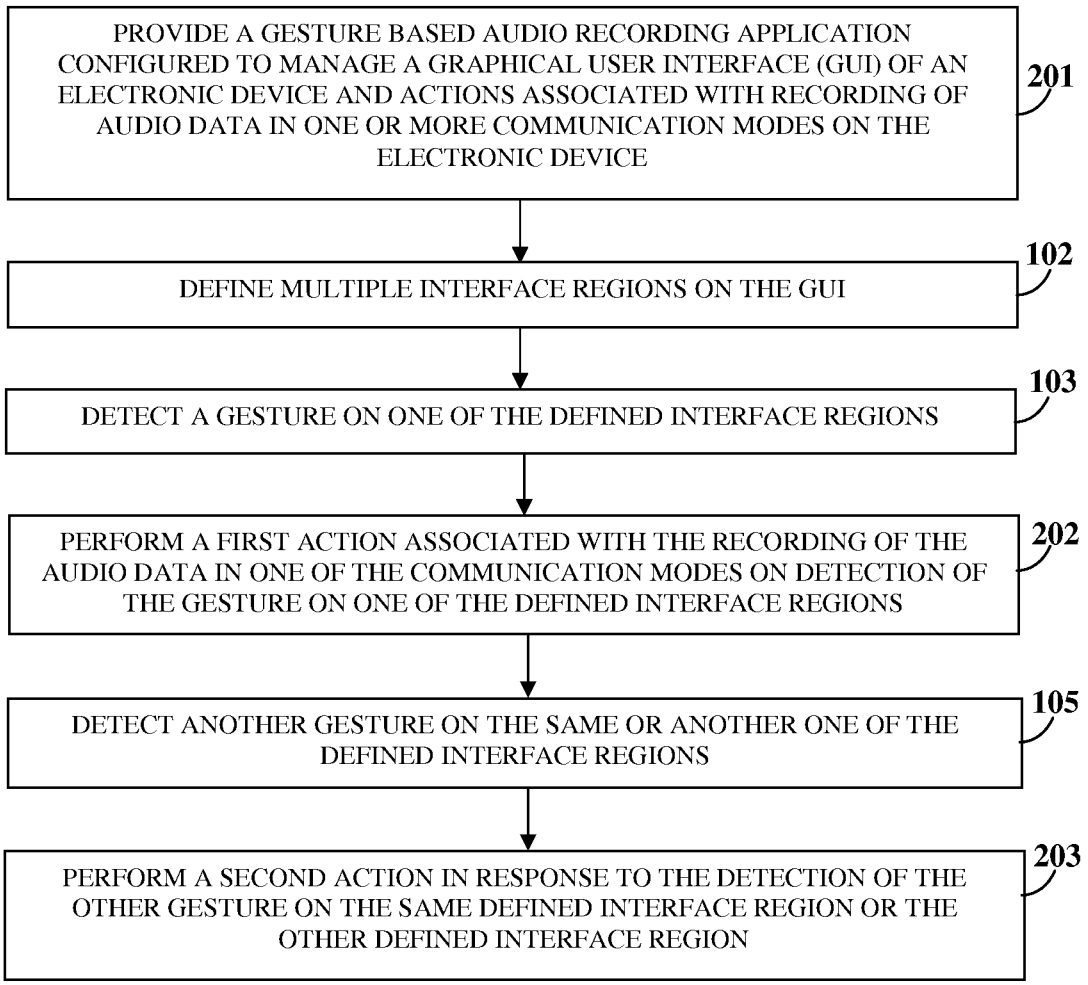

PROVIDE A GESTURE BASED AUDIO RECORDING APPLICATION CONFIGURED TO MANAGE A GRAPHICAL USER INTERFACE (GUI) OF AN ELECTRONIC DEVICE AND ACTIONS ASSOCIATED WITH RECORDING OF AUDIO DATA IN ONE OR MORE COMMUNICATION MODES ON THE ELECTRONIC DEVICE
201
DEFINE MULTIPLE INTERFACE REGIONS ON THE GUI
102
DETECT A GESTURE ON ONE OF THE DEFINED INTERFACE REGIONS
103
PERFORM A FIRST ACTION ASSOCIATED WITH THE RECORDING OF THE AUDIO DATA IN ONE OF THE COMMUNICATION MODES ON DETECTION OF THE GESTURE ON ONE OF THE DEFINED INTERFACE REGIONS
202
DETECT ANOTHER GESTURE ON THE SAME OR ANOTHER ONE OF THE DEFINED INTERFACE REGIONS
105
PERFORM A SECOND ACTION IN RESPONSE TO THE DETECTION OF THE OTHER GESTURE ON THE SAME DEFINED INTERFACE REGION OR THE OTHER DEFINED INTERFACE REGION
203

FIG. 2A

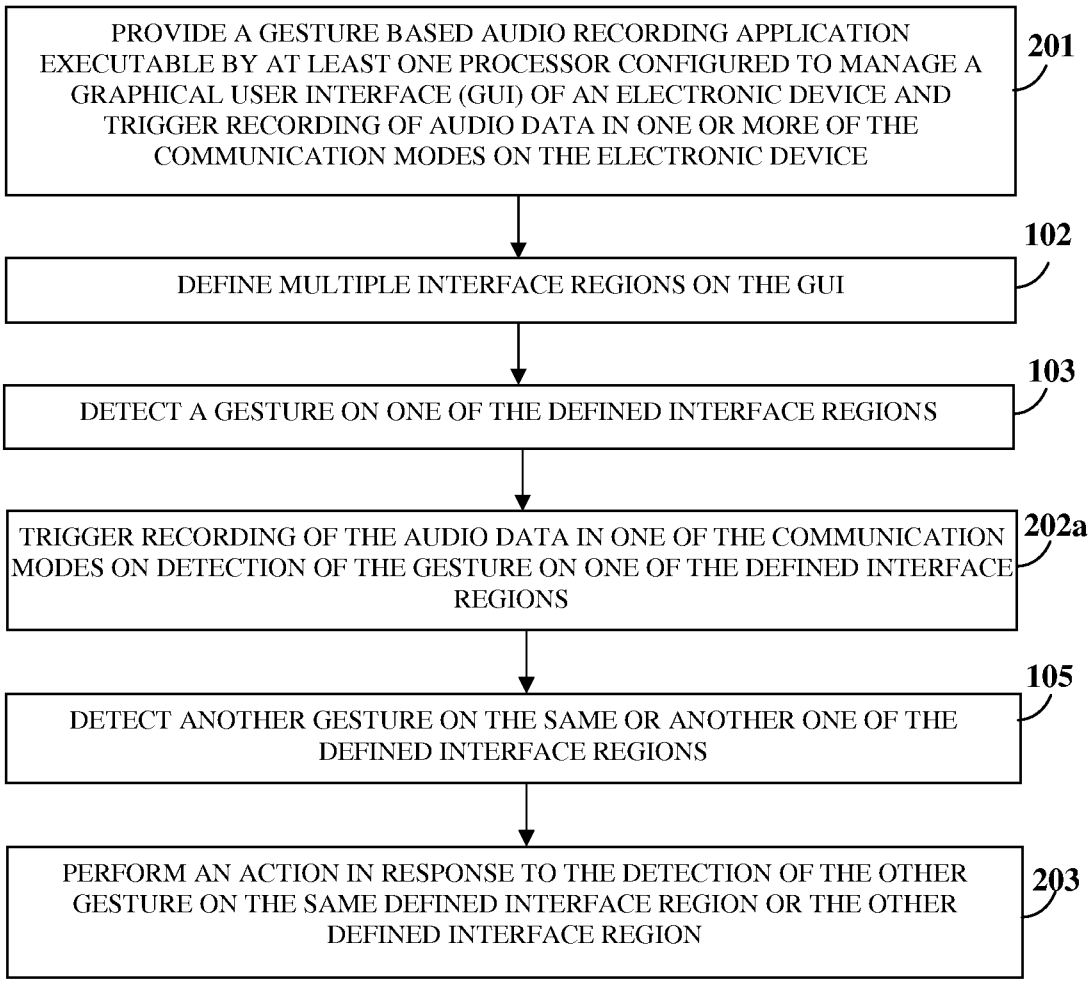

PROVIDE A GESTURE BASED AUDIO RECORDING APPLICATION EXECUTABLE BY AT LEAST ONE PROCESSOR CONFIGURED TO MANAGE A GRAPHICAL USER INTERFACE (GUI) OF AN ELECTRONIC DEVICE AND TRIGGER RECORDING OF AUDIO DATA IN ONE OR MORE OF THE COMMUNICATION MODES ON THE ELECTRONIC DEVICE
201
DEFINE MULTIPLE INTERFACE REGIONS ON THE GUI
102
DETECT A GESTURE ON ONE OF THE DEFINED INTERFACE REGIONS
103
TRIGGER RECORDING OF THE AUDIO DATA IN ONE OF THE COMMUNICATION MODES ON DETECTION OF THE GESTURE ON ONE OF THE DEFINED INTERFACE REGIONS
202a
DETECT ANOTHER GESTURE ON THE SAME OR ANOTHER ONE OF THE DEFINED INTERFACE REGIONS
105
PERFORM AN ACTION IN RESPONSE TO THE DETECTION OF THE OTHER GESTURE ON THE SAME DEFINED INTERFACE REGION OR THE OTHER DEFINED INTERFACE REGION
203

FIG. 2B

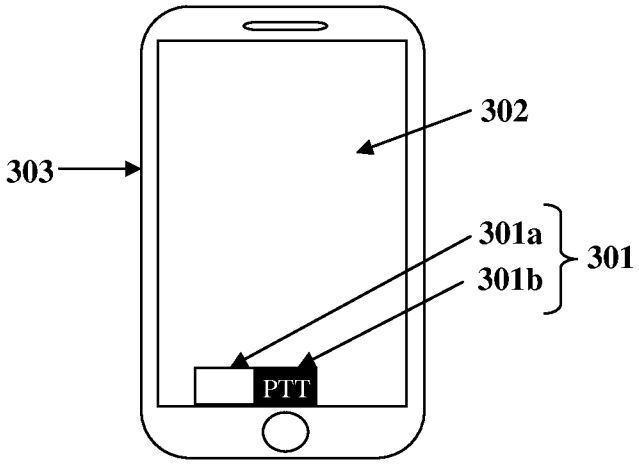

303
302
301a
301b
301
PTT

FIG. 3A

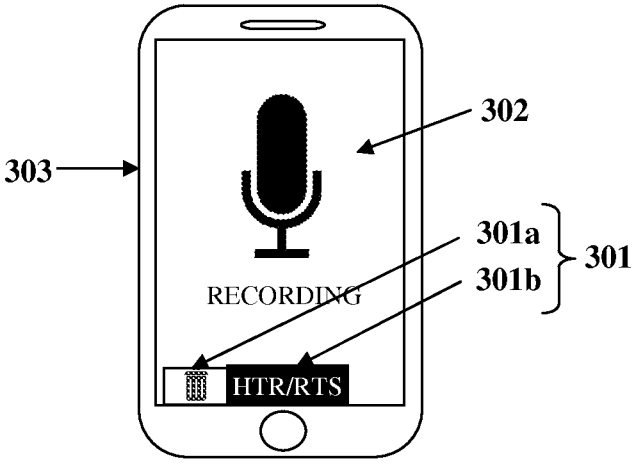

303
302
301a
301b
301
RECORDING
HTR/RTS

FIG. 3B

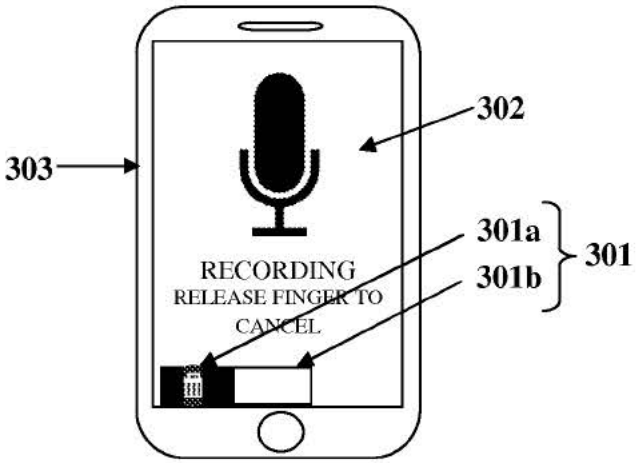

303
302
301a
301b
301
RECORDING
RELEASE FINGER TO
CANCEL

FIG. 3C

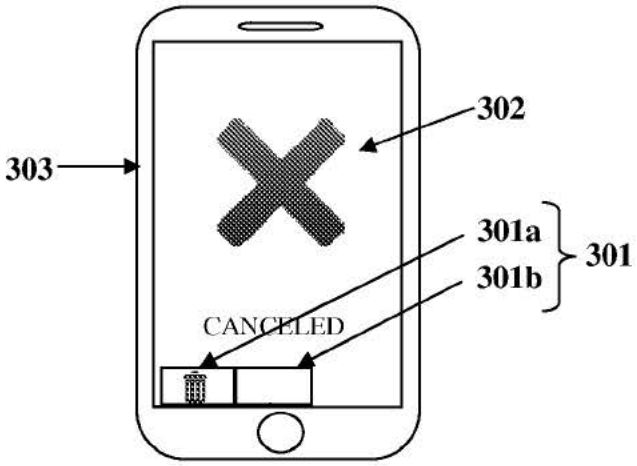

303
302
301a
301b
301
CANCELED

FIG. 3D

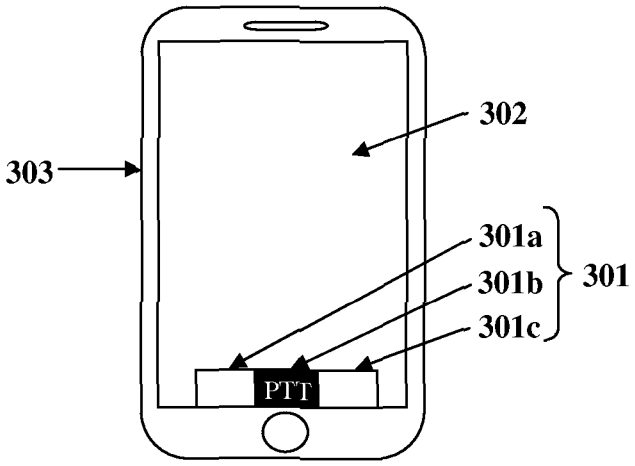

302
303
301a
301b
301
301c
PTT

FIG. 4A

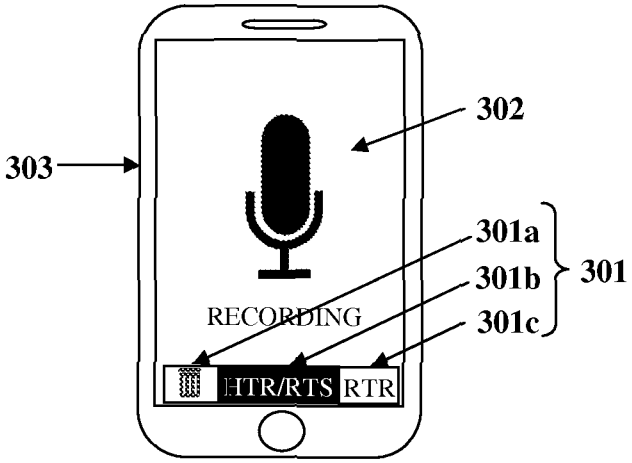

302
303
301a
301b
301
RECORDING
301c
HTR/RTS
RTR

FIG. 4B

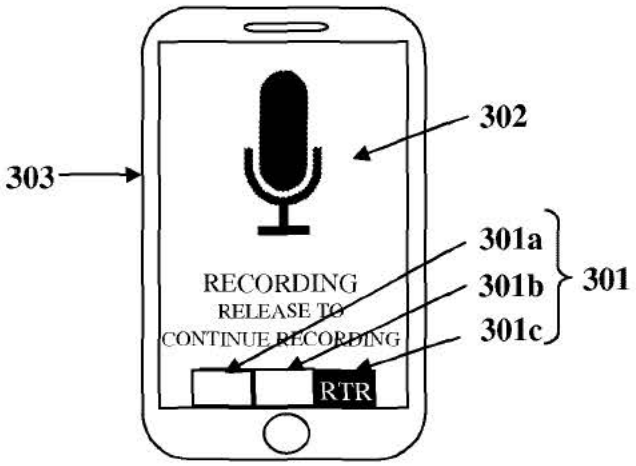

303
302
301a
301b
301c
301
RECORDING
RELEASE TO
CONTINUE RECORDING
RTR

FIG. 4C

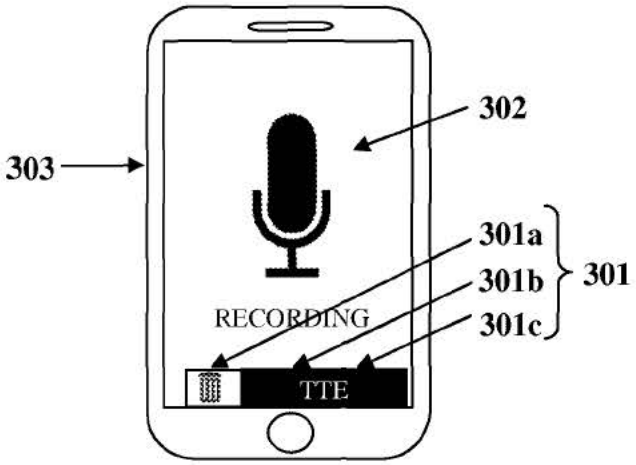

303
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301a
301b
301c
301
RECORDING
TTE

FIG. 4D

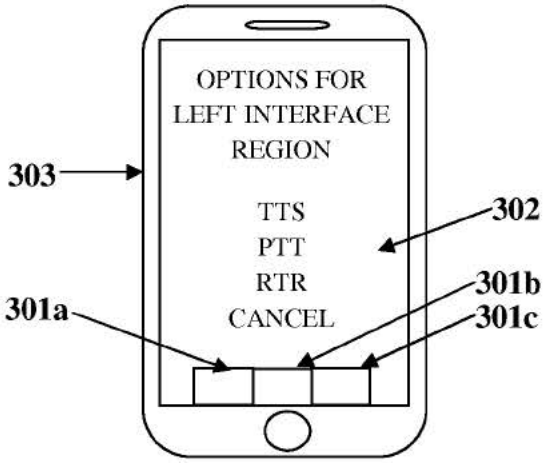

OPTIONS FOR
LEFT INTERFACE
REGION
TTS
PTT
RTR
CANCEL
303
302
301a
301b
301c

FIG. 5

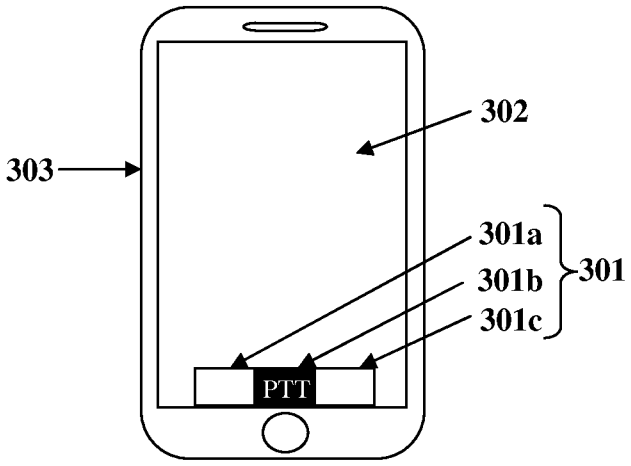

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301a
301b
301c
301
PTT

FIG. 6A

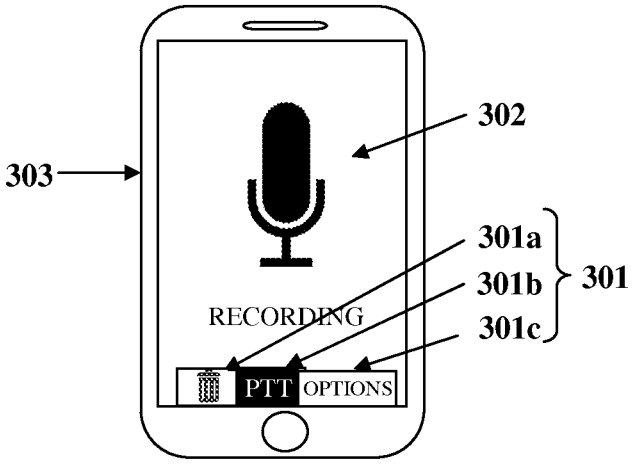

303
302
301a
301b
301c
301
RECORDING
PTT
OPTIONS

FIG. 6B

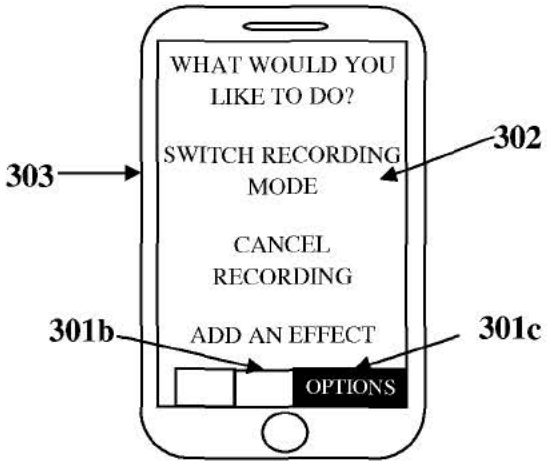

WHAT WOULD YOU LIKE TO DO?
SWITCH RECORDING MODE
CANCEL RECORDING
ADD AN EFFECT
OPTIONS
303
302
301b
301c

FIG. 6C

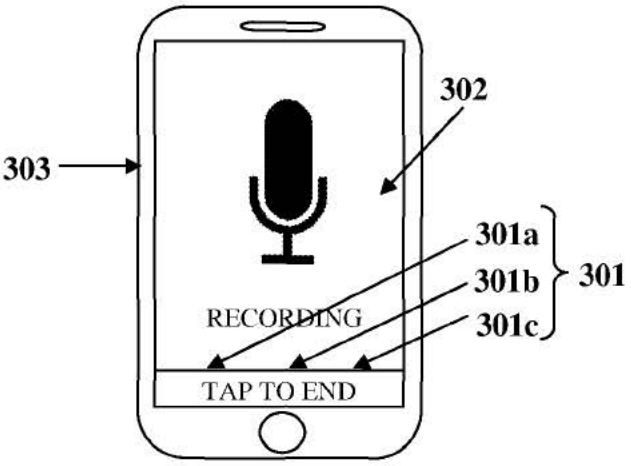

303
302
301a
301b
301c
301
RECORDING
TAP TO END

FIG. 6D

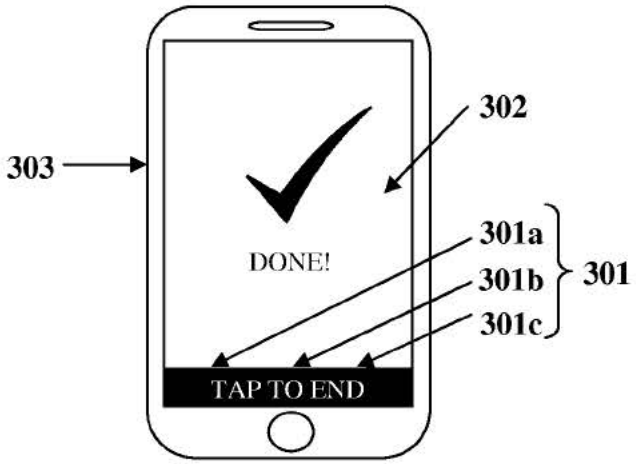

303
302
DONE!
301a
301b
301c
301
TAP TO END

FIG. 6E

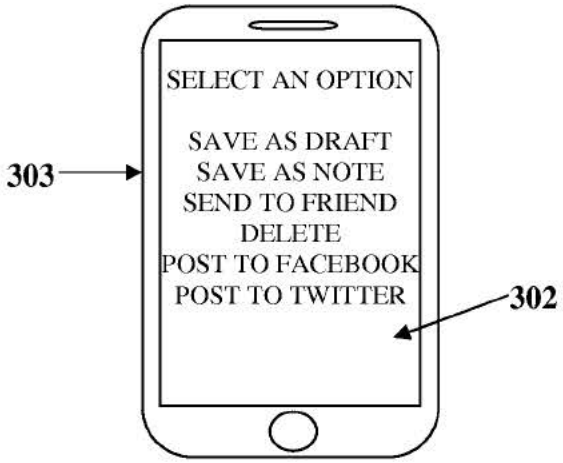

303
SELECT AN OPTION
SAVE AS DRAFT
SAVE AS NOTE
SEND TO FRIEND
DELETE
POST TO FACEBOOK
POST TO TWITTER
302

FIG. 7

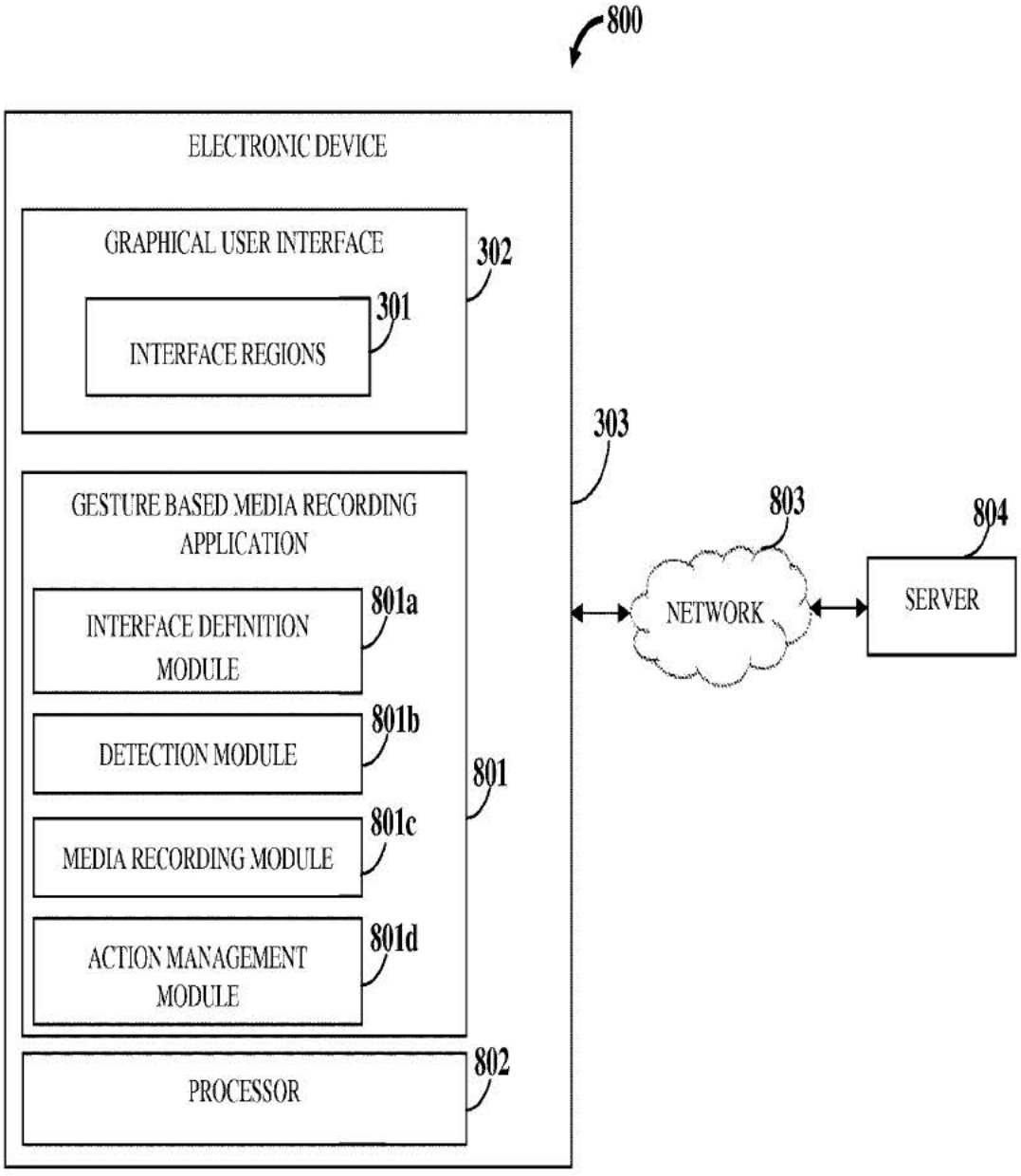

800
ELECTRONIC DEVICE
GRAPHICAL USER INTERFACE
302
INTERFACE REGIONS
301
303
GESTURE BASED MEDIA RECORDING APPLICATION
INTERFACE DEFINITION MODULE
801a
DETECTION MODULE
801b
MEDIA RECORDING MODULE
801c
ACTION MANAGEMENT MODULE
801d
801
PROCESSOR
802
803
NETWORK
804
SERVER

FIG. 8

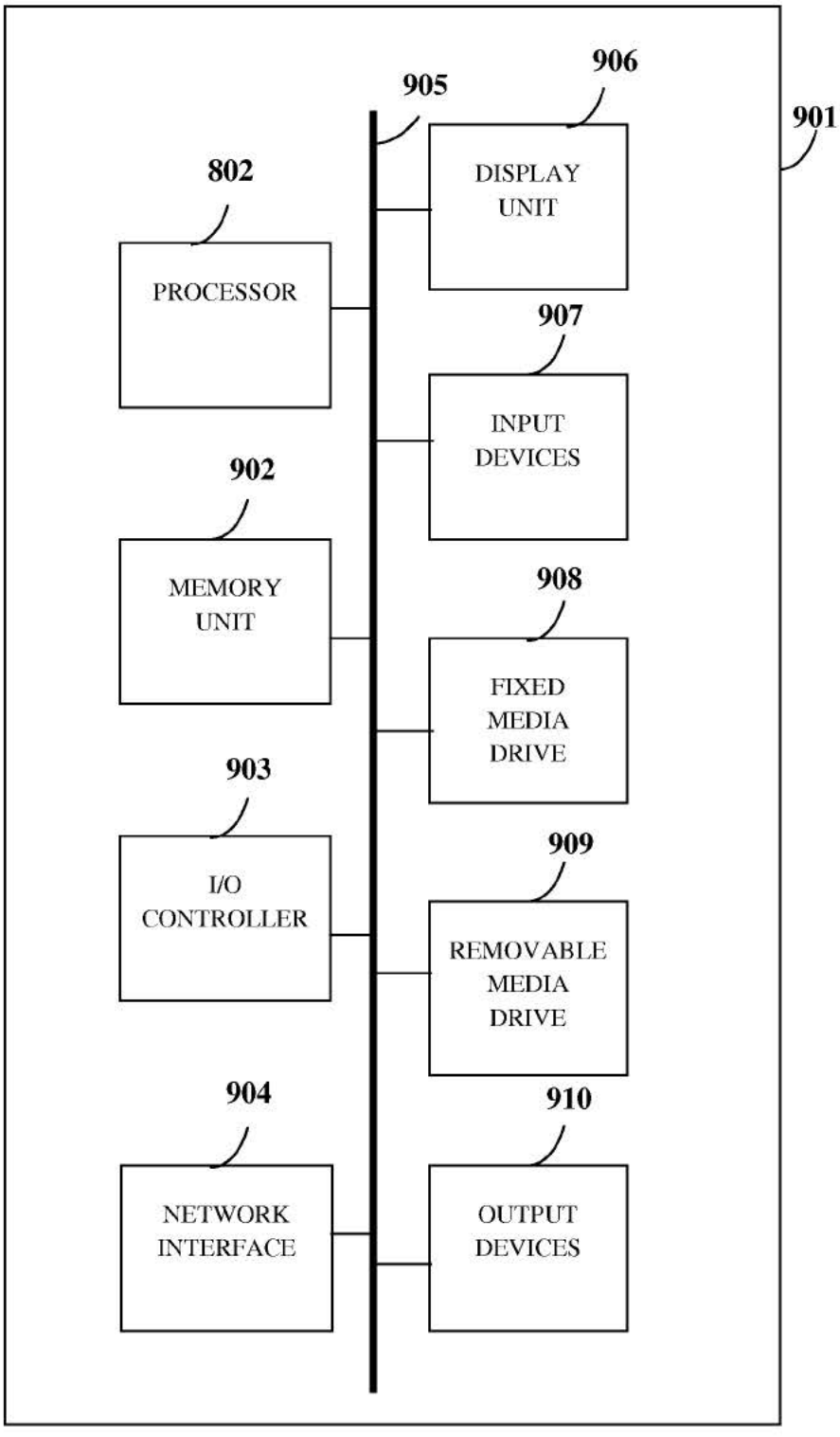

901
905
906
DISPLAY UNIT
802
PROCESSOR
907
INPUT DEVICES
902
MEMORY UNIT
908
FIXED MEDIA DRIVE
903
I/O CONTROLLER
909
REMOVABLE MEDIA DRIVE
904
910
NETWORK INTERFACE
OUTPUT DEVICES

FIG. 9

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	KIRU-14NP-US
	Application Number	
Title of Invention	Multi-gesture Media Recording System	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Kieraj	Singh	Mumick	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Berkeley Heights	State/Province	NJ	Country of Residence i	US

Mailing Address of Inventor:

Address 1	85 Swenson Circle, Berkeley Heights 07922		
Address 2			
City	Berkeley Heights	State/Province	NJ
Postal Code	07922	Country i	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☒ **An Address is being provided for the correspondence Information of this application.**

Name 1	Ashok Tankha	Name 2	
Address 1	36 Greenleigh Drive		
Address 2			
City	Sewell	State/Province	NJ
Country i	US	Postal Code	08080
Phone Number	856-266-5145	Fax Number	856-374-0246
Email Address	ash@ipprocure.com	Add Email	Remove Email

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	KIRU-14NP-US
	Application Number	
Title of Invention	Multi-gesture Media Recording System	

Application Information:

Title of the Invention	Multi-gesture Media Recording System		
Attorney Docket Number	KIRU-14NP-US	**Small Entity Status Claimed**	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)		**Suggested Figure for Publication (if any)**	

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	○ Customer Number	◉ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix	
	Ashok		Tankha		Remove

Registration Number	33802

Additional Representative Information blocks may be generated within this form by selecting the **Add** button. Add

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	non provisional of	61713635	2012-10-15

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button. Add

Foreign Priority Information:

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	KIRU-14NP-US
	Application Number	
Title of Invention	Multi-gesture Media Recording System	

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(d). When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX) [i] the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(h)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Remove

Application Number	Country [i]	Filing Date (YYYY-MM-DD)	Access Code [i] (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button. Add

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☒ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

Authorization to Permit Access:

☒ Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	KIRU-14NP-US
	Application Number	
Title of Invention	Multi-gesture Media Recording System	

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant 1 Remove

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

◯ Assignee ◯ Legal Representative under 35 U.S.C. 117 ◯ Joint Inventor

◯ Person to whom the inventor is obligated to assign. ◯ Person who shows sufficient proprietary interest

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor :

If the Applicant is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information:

Address 1			
Address 2			
City		**State/Province**	
Country i		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button. Add

Non-Applicant Assignee Information:

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	KIRU-14NP-US
	Application Number	
Title of Invention	Multi-gesture Media Recording System	

Assignee 1

Complete this section only if non-applicant assignee information is desired to be included on the patent application publication in accordance with 37 CFR 1.215(b). Do not include in this section an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest), as the patent application publication will include the name of the applicant(s).

Remove

If the Assignee is an Organization check here. ☒

Organization Name	Kirusa, Inc.

Mailing Address Information:

Address 1	139 South Street Suite 205, New Providence, NJ		
Address 2			
City	New Providence	**State/Province**	NJ
Country i	US	Postal Code	07974
Phone Number		Fax Number	
Email Address			

Additional Assignee Data may be generated within this form by selecting the Add button. Add

Signature:

Remove

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications

Signature	/a tankha/			Date (YYYY-MM-DD)	2013-10-08
First Name	Ashok	Last Name	Tankha	Registration Number	33802

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This collection of information is required by 37 CFR 1.76. 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 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet 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 information provided by you in this form will be subject to the following routine uses:

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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.

ABSTRACT

A computer implemented method and system for recording media data such as audio data in one or more communication modes based on gestures on a graphical user interface (GUI) of an electronic device is provided. A gesture based media recording application (GBMRA) provided on the electronic device defines multiple interface regions on the GUI. The GBMRA detects a gesture on an interface region and performs a first action associated with recording of the media data in a communication mode. The GBMRA detects another gesture on the same interface region or another interface region and performs a second action. The first action and the second action include at least one of triggering recording of the media data, switching from one communication mode to another for recording the media data, canceling recording of the media data, generating and displaying multiple options for performing an operation associated with the recorded media data, etc.

Petitioner Exhibit 1004, Page 35 of 653

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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(f)) required)

Attorney Docket Number	KIRU-14NP-US
First Named Inventor	Kieraj Singh Mumick
COMPLETE IF KNOWN	
Application Number	
Filing Date	
Art Unit	
Examiner Name	

Multi-gesture Media Recording System

(Title of the Invention)

As a below named inventor, I hereby declare that:

This declaration is directed to:

☒ The attached application,

OR

☐ United States Application Number or PCT International application number _____

filed on _____.

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Authorization To Permit Access To Application by Participating Office

☑ If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified patent application is filed to have access to the above-identified patent application.

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☐ The address associated with Customer Number: [ ] OR ■ Correspondence address below

Name: Ashok Tankha

Address: 36Greenleigh Drive

City	State	Zip
Sewell	NJ	08080

Country	Telephone	Email
USA	856-266-5145	ash@ipprocure.com

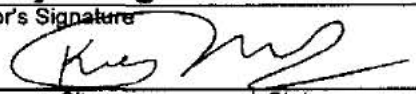
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LEGAL NAME OF SOLE OR FIRST INVENTOR:

(*E.g.*, Given Name (first and middle (if any)) and Family Name or Surname)

Kieraj Singh Mumick

Inventor's Signature:  Date (Optional): 4/23/13

Residence: City	State	Country
Berkeley Heights	NJ	USA

Mailing Address: 85 Swenson Circle, Berkeley Heights, NJ 07922, USA

City	State	Zip	Country
Highland Park	NJ	08904	USA

☐ Additional inventors are being named on the _____ supplemental sheet(s) PTO/AIA/10 attached hereto

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EFS ID:	17104875
Application Number:	14051735
International Application Number:	
Confirmation Number:	3926
Title of Invention:	Multi-Gesture Media Recording System
First Named Inventor/Applicant Name:	Kieraj Singh Mumick
Customer Number:	64188
Filer:	Ashok Tankha
Filer Authorized By:	
Attorney Docket Number:	KIRU-14NP-US
Receipt Date:	11-OCT-2013
Filing Date:	
Time Stamp:	13:23:46
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$2160
RAM confirmation Number	11647
Deposit Account	503291
Authorized User	TANKHA, ASHOK
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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	KIRU-14NP-US_ADS.pdf	1507877 c07268090ec0aecf0187c46bc24ad07b39797e74	no	6
Warnings:					
Information:					
2	Oath or Declaration filed	KIRU-14NP-US-Declaration.pdf	160194 2fc17978efb6ccb54cd62281b46a42aae9e1078f	no	2
Warnings:					
Information:					
3	Power of Attorney	KIRU-14NP-US-POA.pdf	498864 278128bda25352b045224ed5f6fcb69e08240003	no	2
Warnings:					
Information:					
4	Transmittal of New Application	KIRU-14NP-US-Transmittal.pdf	365522 c5ab959698c2e6f31bf9393cfaf0ab46d72f0010	no	1
Warnings:					
Information:					
5		KIRU-14NP-US_Specification.pdf	183482 23d9b27187ab111ff287687865407a12afe8eebf	yes	50

Multipart Description/PDF files in .zip description

Document Description	Start	End
Specification	1	35
Claims	36	49
Abstract	50	50

Warnings:					
Information:					
6	Drawings-only black and white line drawings	KIRU-14NP-US_Drawings.pdf	78627 39cc04e416e9b79b03ab4b0df0f564a586be796d	no	13
Warnings:					
Information:					
7	Fee Worksheet (SB06)	fee-info.pdf	37754 3aae963a36c1d9e5e76a681ff5f4c8e3aee90b2b	no	2

Warnings:	
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Total Files Size (in bytes):	2832320

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Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	Multi-Gesture Media Recording System
First Named Inventor/Applicant Name:	Kieraj Singh Mumick
Filer:	Ashok Tankha
Attorney Docket Number:	KIRU-14NP-US

Filed as Small Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Utility filing Fee (Electronic filing)	4011	1	70	70
Utility Search Fee	2111	1	300	300
Utility Examination Fee	2311	1	360	360
Pages:				
Claims:				
Claims in excess of 20	2202	20	40	800
Independent Claims in Excess of 3	2201	3	210	630
Miscellaneous-Filing:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**2160**

MULTI-GESTURE MEDIA RECORDING SYSTEM

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application claims the benefit of provisional patent application number 61/713,635 titled "Multi-gesture Audio Recording System", filed in the United States Patent and Trademark Office on October 15, 2012.

[0002] The specification of the above referenced patent application is incorporated herein by reference in its entirety.

BACKGROUND

[0003] Prior to the age of smart phones and mobile tablets, the need for recording media data, for example, audio data, video data, or any other media data in the form of a message, a media clip, etc., while on the move was not high. One method to record, for example, audio data was to make a phone call, speak on the phone, and record a user's voice on the other end of the line, for example, when using answering machines and voicemails, or when speaking on a recorded line. However, as technology developed and electronic devices such as smart phones, tablets, etc., became popular, mobile applications for recording audio data and other media data on such electronic devices gained popularity. For example, multiple communication modes such as a push to talk (PTT) communication mode, a tap to start (TTS) communication mode, a release to record (RTR) communication mode, a release to stop (RTS) communication mode, a tap to end (TTE) communication mode, etc., were developed for recording audio data.

[0004] In the push to talk (PTT) communication mode, a user presses or pushes and holds a button on an electronic device, for example, a mobile phone, or taps on an icon on a graphical user interface (GUI) of the electronic device and keeps the button or icon pressed. The user records media data while the button is pushed down or pressed. The recording of the media data continues as long as the button is held or pressed. When the

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button is released, the recording stops. Upon release of the button, a recorder of the electronic device terminates the recording of the media data, saves the recorded media data, for example, in the form of a media clip, a media message, etc., and stores the recorded media data on the electronic device, or sends the recorded media data to a network or to another electronic device. This PTT communication mode provides the user with one click easy method to record short media data.

[0005] The tap to start (TTS) communication mode requires a user to first click on a start button or an initiation button on the electronic device to start the recording process. In this case, the user clicks, that is, taps and releases the button, at which time a recorder of the electronic device initiates recording of the media data. The user then has to tap on a stop button on the electronic device to stop the recording. After tapping on the stop button, the recorder terminates the recording and saves the recorded media data. There is also a variation of the TTS communication mode, where a user is not required to click the stop button on the electronic device. Instead, the electronic device performs a voice activity detection to determine when the user has stopped speaking, and at this time the electronic device automatically terminates the recording of the media data and saves the media data.

[0006] After initiating recording of media data, the release to record (RTR) communication mode allows a user to release the initiation button on the electronic device to continue the recording process. In the RTR communication mode, the user can either keep the button held while recording or can release the button to continue recording. A user can switch from one mode of recording to another by releasing the button. The tap to end (TTE) communication mode is triggered after the user releases the button, and the recording process is then in progress, and the user can terminate the recording by tapping on the button. In this case, the user has to tap on a stop button on the electronic device to terminate the recording. After tapping on the stop button, the recorder terminates the recording of the media data and saves the recorded media data. In the release to stop (RTS) communication mode, the user is required to release the button on the electronic device to stop or terminate the recording process. In the RTS

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communication mode, the user can either keep the button pressed to continue recording or can release the button to stop recording.

[0007] The push to talk (PTT) communication mode allows a user to record short media data quickly, with a single press of a button on the electronic device, that is, all the user is required to do is press the button and then release the button. However, in the PTT communication mode, the user finds it difficult to record lengthy media data. The user is forced to interact with the electronic device throughout the recording of the media data, which makes the process for recording lengthy media data inconvenient. While recording a long media message, the user's finger may inadvertently slip off the "push to talk" button on the electronic device, which would indicate to the electronic device that the user wants to terminate the recording, thereby causing the electronic device to abruptly terminate the recording of the media message even though the user intended to continue recording the media message. It is also not feasible for a user, while pressing a button, to place a smart phone at his/her ear to speak, forcing him/her to use a speakerphone.

[0008] Moreover, the above mentioned models for recording media data do not offer a method for the user to cancel the recording once begun, or perform any other action such as switching from one communication mode to another communication mode, unless the graphical user interface provides an additional user interaction option, after the recording is completed, that would request the user whether he/she would like to save or cancel the last recording, or perform any other action. Such an interaction makes it inconvenient for the user to record the media data because such an interaction adds one additional, typically unnecessary step, to record the media data.

[0009] Hence, there is a long felt but unresolved need for a computer implemented method and system that records media data in one or more communication modes based on a user's gestures on a graphical user interface of the user's electronic device, while allowing the user to switch between the communication modes for recording the media data, or to cancel recording of the media data, or to perform any other action associated with the media data at any time during and/or after the recording of the media data.

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SUMMARY OF THE INVENTION

[0010] This summary is provided to introduce a selection of concepts in a simplified form that are further disclosed in the detailed description of the invention. This summary is not intended to identify key or essential inventive concepts of the claimed subject matter, nor is it intended for determining the scope of the claimed subject matter.

[0011] The computer implemented method and system disclosed herein addresses the above stated needs for recording media data in one or more of multiple communication modes based on one or more gestures of a user on a graphical user interface (GUI) of the user's electronic device, while allowing the user to switch between the communication modes for recording the media data, or to cancel recording of the media data, or to perform any other action associated with the media data at any time during and/or after the recording of the media data. As used herein, the term "media data" refers to a stored form of media, for example, sounds, images, videos, etc., produced and recorded for the purpose of audibly listening to a reproduction of those sounds or for the purpose of viewing a reproduction of those images, videos, etc. The media data comprises, for example, audio data, or video data, or audiovisual data, or image data, or multimedia data, etc., or any combination thereof. The media data can be stored, for example, as a media clip, a media message, etc., or in any digital format. Also, as used herein, the term "media message" refers to a message that can be recorded on a user's electronic device, for example, a cellular phone, a smart phone, a tablet computing device, a personal digital assistant, a laptop, a touch centric device, a digital camera, a television, a car, a gaming console, etc., or any other mobile device configured for communication. The media message is, for example, an audio message, or a video message, or an audiovisual message, or a picture message, or a multimedia message, etc., or any combination thereof. Also, as used herein, the term "communication mode" refers to a mode for initiating, continuing, and/or terminating recording of media data on an electronic device. The communication modes comprise, for example, a push to talk (PTT) communication mode, a tap to start (TTS) communication mode, a release to record (RTR)

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communication mode, a release to stop (RTS) communication mode, a tap to end (TTE) communication mode, etc. Also, as used herein, the term "gesture" refers to a user action or an actuation by a user performed manually, for example, by use of a finger, a thumb, a hand, etc., on the GUI, or by using an input device, for example, a physical button, a computer mouse, a pointing device, a light pen, a touch pad, a touch sensitive display device, a track ball, a pointing stick, any device capable of sensing a tactile input, etc.

[0012] The computer implemented method and system disclosed herein provides a gesture based media recording application, hereafter referred to as a "media recording application", executable by at least one processor configured to manage the GUI of the electronic device and actions associated with the recording of the media data in one or more communication modes on the electronic device. The media recording application defines multiple interface regions on the GUI of the electronic device. As used herein, the term "interface region" refers to an area provided on the GUI of an electronic device that enables interfacing and interactions with a user of the electronic device. The media recording application associates a predefined function from multiple predefined functions with each of the defined interface regions on the GUI. The predefined functions comprise, for example, record media data using a push to talk communication mode, record media data using a tap to start communication mode, record media data using a release to record communication mode, stop or terminate the recording of media data using a release to stop communication mode or a tap to end communication mode, stream the media data to a server via a network during or after the recording process, or at predefined intervals after initiation of the recording process, cancel a media recording, etc. In an embodiment, the media recording application dynamically changes the predefined function associated with one of the defined interface regions to another predefined function based on one or more communication modes and user preferences. In another embodiment, the media recording application configures predefined functions for one or more of the defined interface regions based on user preferences.

[0013] The media recording application detects one of several gestures on one of the defined interface regions. The gestures comprise, for example, a drag and drop gesture, a

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click gesture, a double click gesture, a click and hold gesture, a tap gesture, a tap and hold gesture, a hold and swipe gesture, a touch gesture, a slide gesture, a glide gesture, a scrolling gesture, etc., or any combination thereof. The media recording application performs a first action associated with the recording of the media data in one of the communication modes on detection of a gesture on one of the defined interface regions. The media recording application then detects another gesture on the same defined interface region or on another one of the defined interface regions. The media recording application performs a second action in response to the detection of the other gesture on the same or other defined interface region. In an embodiment, the second action is the same as the first action. In another embodiment, the second action is different from the first action. The first action and the second action performed by the media recording application comprise at least one of, for example, triggering recording of the media data, switching from one of the communication modes to another one of the communication modes for recording the media data, canceling the recording of the media data, generating and displaying multiple options for performing an operation associated with the recorded media data, etc. In an embodiment, the media recording application streams the media data to a server via a network, for example, the internet, as the recording happens, or at predefined time intervals after initiation of the recording of the media data, or after completion of the recording of the media data.

[0014] Also, disclosed herein is a computer implemented method and system for recording audio data in one or more of multiple communication modes based on one or more gestures on the GUI of the electronic device. As used herein, the term "audio data" refers to a stored form of one or more sounds produced and recorded for the purpose of audibly listening to a reproduction of those sounds. The audio data comprises, for example, analog and digitally coded sound, music, a musical composition, a song, live speech, broadcasted speech, voice information, etc., that can be stored, for example, as an audio clip, an audio message, etc., or in any digital format. In an embodiment, the gesture based media recording application disclosed above is configured as a gesture based audio recording application, hereafter referred to as an "audio recording application". The audio recording application defines multiple interface regions on the GUI and detects a gesture

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on one of the defined interface regions. The audio recording application performs a first action associated with the recording of the audio data in one of the communication modes on detection of a gesture on one of the defined interface regions. For example, the audio recording application triggers recording of the audio data in one of the communication modes on detection of a gesture on one of the defined interface regions.

[0015] The audio recording application detects another gesture on the same or another one of the defined interface regions. The audio recording application then performs another action in response to the detection of the other gesture on the same or the other defined interface region. The action performed by the audio recording application comprises, for example, switching from one of the communication modes to another one of the communication modes for recording the audio data in the other communication mode, canceling the recording of the audio data in one of the communication modes, generating and displaying multiple options for performing an operation associated with the recorded audio data, etc. In an embodiment, the audio recording application streams the audio data to the server via the network either continuously while recording the audio data, or at predefined time intervals after initiation of the recording of the audio data, or after completion of the recording of the audio data.

BRIEF DESCRIPTION OF THE DRAWINGS

[0016] The foregoing summary, as well as the following detailed description of the invention, is better understood when read in conjunction with the appended drawings. For the purpose of illustrating the invention, exemplary constructions of the invention are shown in the drawings. However, the invention is not limited to the specific methods and components disclosed herein.

[0017] FIG. **1** illustrates a computer implemented method for recording media data in one or more of multiple communication modes based on one or more gestures on a graphical user interface of an electronic device.

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[0018] FIG. **2A** illustrates a computer implemented method for recording audio data in one or more of multiple communication modes based on one or more gestures on a graphical user interface of an electronic device.

[0019] FIG. **2B** illustrates an embodiment of the computer implemented method for recording audio data in one or more of multiple communication modes based on one or more gestures on a graphical user interface of an electronic device.

[0020] FIGS. **3A-3D** exemplarily illustrate two interface regions defined on a graphical user interface of an electronic device and associated with predefined functions.

[0021] FIGS. **4A-4D** exemplarily illustrate three interface regions defined on a graphical user interface of an electronic device and associated with predefined functions.

[0022] FIG. **5** exemplarily illustrates a list of predefined functions provided by a gesture based media recording application for configuring interface regions on a graphical user interface of an electronic device based on user preferences.

[0023] FIGS. **6A-6E** exemplarily illustrate three interface regions defined on a graphical user interface of an electronic device and associated with predefined functions for performing an action associated with recording of media data.

[0024] FIG. **7** exemplarily illustrates multiple options provided by the gesture based media recording application for performing an action associated with recorded media data.

[0025] FIG. **8** illustrates a computer implemented system for recording media data in one or more of multiple communication modes based on one or more gestures on a graphical user interface of an electronic device.

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[0026] FIG. **9** exemplarily illustrates the architecture of a computer system employed by the gesture based media recording application for managing a graphical user interface of an electronic device and actions associated with recording media data in one or more of multiple communication modes.

DETAILED DESCRIPTION OF THE INVENTION

[0027] FIG. **1** illustrates a computer implemented method for recording media data in one or more of multiple communication modes based on one or more gestures on a graphical user interface (GUI) of an electronic device. As used herein, the term "media data" refers to a stored form of media, for example, sounds, images, videos, etc., produced and recorded for the purpose of audibly listening to a reproduction of those sounds or for the purpose of viewing a reproduction of those images, videos, etc. The media data comprises, for example, audio data such as analog and digitally coded sound, music, a musical composition, a song, live speech, broadcasted speech, voice information, etc., that can be stored, for example, as an audio clip, an audio message, etc., or in any digital format, or video data such as still images, moving images, graphics, animations, live video, broadcasted video, video information, interactivity content forms, rich media, etc., that can be stored, for example, as a video clip, a video message, etc., or in any digital format, or audiovisual data, or image data, or multimedia data, etc., or any combination thereof. The media data can be stored, for example, as a media clip, a media message, etc., or in any digital format. The electronic device may be used for transmitting the recorded media data to another electronic device via a network, for example, a mobile communication network. Also, as used herein, the term "media message" refers to a message that can be recorded on a user's electronic device, for example, a cellular phone, a smart phone, a tablet computing device, an Ultrabook®, a laptop, a personal digital assistant, a touch centric device, a digital camera, a television, a car, a gaming console, etc., or any other mobile device configured for communication. The media message is, for example, an audio message, or a video message, or an audiovisual message, or a picture message, or a multimedia message, etc., or any combination thereof.

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[0028] Also, as used herein, the term "communication mode" refers to a mode for initiating, continuing, and/or terminating recording of media data on an electronic device. The communication mode can be, for example, a push to talk (PTT) communication mode, a tap to start (TTS) communication mode, a release to record (RTR) communication mode, a release to stop (RTS) communication mode, a tap to end (TTE) communication mode, etc. Also, as used herein, the term "gesture" refers to a user action or an actuation by a user performed manually, for example, by use of a finger, a thumb, a hand, etc., on the GUI, or by using an input device, for example, a physical button, a computer mouse, a pointing device, a light pen, a touch pad, a touch sensitive display device, a track ball, a pointing stick, any device capable of sensing a tactile input, etc. The gestures comprise, for example, a drag and drop gesture, a click gesture, a double click gesture, a click and hold gesture, a tap gesture, a tap and hold gesture, a hold and swipe gesture, a touch gesture, a slide gesture, a glide gesture, a scrolling gesture, etc., or any combination thereof.

[0029] In the push to talk communication mode, a user is expected to engage an interface element for the entire duration of recording of the media data. That is, the recording initiates as soon as the user activates an interface element and terminates only when the user releases the interface element. As used herein, the term "interface element" refers to any software or hardware implemented switch or button, for example, a physical push button, a touch button or a tactile button, a screen icon type touch button, a wheel, a touch pad, etc., capable of receiving an input from a user or capturing an application of pressure from the user. In the tap to start communication mode, the user is expected to activate the interface element for a short time, which initiates the recording of the media data, then release the interface element, then speak, and then activate the interface element a second time to terminate the recording of the media data. In the release to record communication mode, after activation of the interface element, which initiates the recording of the media data, the user can either keep the interface element activated while recording or can release the interface element to continue recording. In the release to stop communication mode, the user can either keep the interface element activated to continue recording or can release the interface element to stop or terminate the recording. In the

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tap to end communication mode, the user is expected to activate or tap the interface element to terminate recording of the media data.

[0030] The computer implemented method disclosed herein provides **101** a gesture based media recording application, hereafter referred to as a "media recording application", executable by at least one processor configured to manage the GUI of the electronic device and actions associated with the recording of the media data in one or more communication modes on the electronic device. The media recording application manages any action associated with the recording of the media data regardless of how the recording of the media data is initiated. Once the user initiates recording the media data through any method, the media recording application enables the user to change the mode of recording or perform any operation on the media data. In addition to triggering of recording of the media data, the media recording application manages switching of the communication mode or cancelation of the recording, for example, in a push to talk communication mode or a tap to start communication mode. The media recording application defines **102** multiple interface regions on the GUI of the electronic device. As used herein, the term "interface region" refers to an area provided on the GUI of the electronic device that enables interfacing and interactions with a user of the electronic device. The interface regions on the GUI comprise, for example, software implemented icons, buttons, switches, sliders, menus, menu items, etc., on the GUI. In an embodiment, the interface regions are defined by an application designer during application development. For example, the application designer defines a button, a switch, a slider, etc., by an image on a screen or the GUI.

[0031] The media recording application dynamically or statistically associates a predefined function from a set of predefined functions with each of the defined interface regions on the GUI. The predefined functions are tasks or a series of tasks executed by the electronic device. For example, the predefined functions comprise recording media data using a push to talk communication mode, recording media data using a tap to start communication mode, recording media data using a release to record communication mode, stopping or terminating recording of the media data using a release to stop

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communication mode or a tap to end communication mode, streaming the media data to a server via a network during or after the recording process, or at predefined intervals after initiation of the recording process, canceling a media recording, launching a program stored on the electronic device, initializing a peripheral device on the electronic device, sending out requests to a network resource, changing a GUI configuration, etc.

[0032] In an embodiment, the media recording application dynamically changes the predefined function associated with one of the defined interface regions to another one of the predefined functions based on the active communication mode and user preferences. The media recording application dynamically changes the predefined functions, for example, by analyzing the frequently used predefined functions, tracking the sequence of events up to the current state, providing a settings menu for the user to manually select the predefined functions that the user prefers, etc. For example, if the predefined function associated with one of the defined interface regions is "record media data using a push to talk communication mode", after the media recording application detects a gesture on that defined interface region, the media recording application dynamically changes the predefined function of that defined interface region to "stop recording the media data" using a "release and stop" indicator on that defined interface region, or to "send the recorded media data to a recipient" using a "release and send" indicator on that defined interface region, to indicate that the user can complete the recording by lifting his/her finger. In an embodiment, the media recording application allows a user to configure the predefined functions for one or more defined interface regions based on the user's preferences, for example, to cancel the recording, push to talk, release to record, release to stop, switch the recording mode, add an effect, etc.

[0033] In an example, if a user's first gesture is a tap gesture on an interface region defined and marked by an icon on the GUI of the user's electronic device, the media recording application launches a program. If a user performs a press and a hold gesture on the interface region, the media recording application changes the predefined function associated with each of the defined interface regions in the neighborhood of the icon. The change in the predefined function may be based on the communication modes and user

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preferences. The change in the predefined function provides the user with various options related to the launched program. A second gesture on the same interface region or on any one of the defined interface regions in the neighborhood of the same interface region where the first gesture was detected by the user causes another action to take place.

[0034] In the method disclosed herein, the media recording application detects **103** a gesture on one of the defined interface regions. The media recording application performs **104** a first action associated with the recording of the media data in one of the communication modes on detection of the first gesture on one of the defined interface regions. The media recording application then detects **105** another gesture on the same defined interface region or on another one of the defined interface regions, after detection of the first gesture. The other gesture may be the same as the first gesture or a different gesture. The media recording application performs **106** a second action in response to the detection of the other gesture on the same defined interface region or the other defined interface region. In an embodiment, the second action is the same as the first action. In another embodiment, the second action is different from the first action. The first action and the second action performed by the media recording application in response to the detection of the gestures comprise at least one of, for example, triggering recording of the media data, switching from one communication mode to another communication mode for recording the media data, canceling the recording of the media data as disclosed in the detailed description of FIGS. **3A-3D** and FIGS. **4A-4D**, or generating and displaying multiple options for performing an operation associated with the recorded media data as disclosed in the detailed description of FIG. **7**. The options comprise, for example, saving the recorded media data without sending, saving the recorded media data as a draft for a future use of the recorded media data, saving the recorded media data for sending the recorded media data to another electronic device, deleting the recorded media data, etc. The media recording application detects multiple gestures on different interface regions on the GUI and accordingly performs the predefined functions associated with the interface regions and, in an embodiment, dynamically changes the associated predefined functions.

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[0035] In an embodiment, the media recording application streams the media data to a server via a network, for example, the internet, a mobile communication network, etc., as the media data is being recorded. For example, during a live recording, the media recording application streams the media data to the server while the recording is going on. In another embodiment, the media recording application transfers the media data during the recording of the media data to a server via the network at predefined time intervals after initiation of the recording of the media data. For example, during a live recording, the media recording application first records the media data for about 3 seconds into a file and then transfers the recorded media data to the server via the network while still continuing to record. The media recording application then streams the next 3 seconds of the recorded media data to the server, and so on, until the completion of the live recording. In another embodiment, the media recording application records the entire media data locally, and then transmits a completely recorded media data file to the server via the network.

[0036] For purposes of illustration, the detailed description refers to recording of audio data; however the scope of the computer implemented method and system disclosed herein is not limited to recording of audio data but may be extended to include recording of video data, for example, in the form of a video message or a video clip, audiovisual data, image data, multimedia data, etc., or any combination thereof.

[0037] FIG. **2A** illustrates a computer implemented method for recording audio data in one or more of multiple communication modes based on one or more gestures on a graphical user interface (GUI) of an electronic device. In an embodiment, the gesture based media recording application disclosed in the detailed description of FIG. **1**, is configured as a gesture based audio recording application, herein referred to as an "audio recording application". The computer implemented method disclosed herein provides **201** the audio recording application executable by at least one processor configured to manage the GUI of the electronic device and actions associated with the recording of audio data in one or more of the communication modes on the electronic device. As used herein, the term "audio data" refers to a stored form of one or more sounds produced and

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recorded for the purpose of audibly listening to a reproduction of those sounds. The audio data comprises, for example, analog and digitally coded sound, music, a musical composition, a song, live speech, broadcasted speech, voice information, etc., that can be stored, for example, as an audio clip, an audio message, etc., or in any digital format.

[0038] The audio recording application defines **102** multiple interface regions on the GUI of the electronic device and associates a predefined function from multiple predefined functions with each of the defined interface regions on the GUI. The audio recording application detects **103** a gesture on one of the defined interface regions. The audio recording application performs **202** a first action associated with the recording of the audio data in one of the communication modes on detection of the first gesture on one of the defined interface regions. The audio recording application then detects **105** another gesture on the same defined interface region or on another one of the defined interface regions, after detection of the first gesture. The audio recording application performs **203** a second action in response to the detection of the other gesture on the same defined interface region or on the other defined interface region. In an embodiment, the second action is the same as the first action. In another embodiment, the second action is different from the first action. The first action and the second action performed by the audio recording application in response to the detection of the gestures comprise, for example, triggering recording of the audio data, switching from one communication mode to another communication mode for recording the audio data, canceling the recording of the audio data as disclosed in the detailed description of FIGS. **3A-3D** and FIGS. **4A-4D**, or generating and displaying multiple options for performing an operation associated with the recorded audio data as disclosed in the detailed description of FIG. **7**. The audio recording application dynamically changes and configures the predefined functions associated with the defined interface regions on the GUI based on one or more of the communication modes and user preferences as disclosed in the detailed description of FIG. **1**. In an embodiment, the audio recording application streams the audio data to the server via the network continuously while recording the audio data, or at predefined time intervals after initiation of the recording of the audio data, or after completion of the recording of the audio data.

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[0039] FIG. **2B** illustrates an embodiment of the computer implemented method for recording audio data in one or more of multiple communication modes based on one or more gestures on a graphical user interface (GUI) of an electronic device. The computer implemented method comprises the steps **201**, **102**, and **103** as disclosed in the detailed description of FIG. **2A**. In this embodiment, the audio recording application triggers **202a** recording of the audio data in one of the communication modes on detection of the first gesture on one of the defined interface regions. The audio recording application detects **105** another gesture on the same defined interface region or on another defined interface region and performs **203** an action in response to the detection of the other gesture on the same defined interface region or the other defined interface region. The action performed by the audio recording application in response to the detection of the other gesture comprises, for example, switching from one communication mode to another communication mode for recording the audio data in the other communication mode, canceling the recording of the audio data in one of the communication modes, or generating and displaying multiple options for performing an operation associated with the recorded audio data.

[0040] FIGS. **3A-3D** exemplarily illustrate two interface regions **301** defined on a graphical user interface (GUI) **302** of an electronic device **303** and associated with predefined functions. The electronic device **303** is, for example, a mobile communication device with a touch sensitive display. The electronic device **303** is capable of recording and storing media data, for example, audio data. In this example, the communication mode for recording the audio data is, for example, a push to talk (PTT) communication mode. In the push to talk communication mode, a user is expected to press and hold an interface region **301b** of the mobile electronic device **303** for recording the audio data. The recording of the audio data continues as long as the interface region **301b** is held. The media recording application configured as an audio recording application allows the user to perform an action, for example, cancel the audio data being recorded, delete the recorded audio data, change the communication mode for recording the audio data, save the recorded audio data as a draft, etc., without having to go through various dialogs

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and/or menus to perform an action after and/or during recording of the audio data. The audio recording application provides the user with the flexibility to switch between the communication modes while the audio data is being recorded, cancel the recording of the audio data, and/or generate and display multiple options for performing an operation associated with the recorded audio data.

[0041] Consider an example where a user wishes to cancel recording of audio data on the mobile electronic device **303**. The audio recording application defines interface regions **301** on the GUI **302** as exemplarily illustrated in FIGS. **3A-3D**. The audio recording application dynamically associates a predefined function of recording the audio data using the push to talk (PTT) communication mode to the defined interface region **301b** as exemplarily illustrated in FIG. **3A**. Initially, the defined interface region **301a** is associated with a null function or has the same predefined function as that of the defined interface region **301b**. In an example, the user performs a press and hold gesture on the interface region **301b**. The audio recording application detects the user's press and hold gesture on the interface region **301b**. In response to the detection of the press and hold gesture on the interface region **301b**, the audio recording application triggers recording of the audio data. At this point, the audio recording application associates a new predefined function to the interface regions **301a** and **301b** as exemplarily illustrated in FIG. **3B**. The new predefined function associated with the interface region **301a** is to cancel and delete the current audio data that is being recorded. The audio recording application changes the predefined function associated with the interface region **301b** to, for example, "hold to record (HTR)/release to stop (RTS)", indicating that the user needs to continue holding the interface region **301b** for recording the audio data and can release the interface region **301b** to stop recording and save the recorded audio data.

[0042] In this example, the user then performs a slide gesture on the GUI **302**. That is, the user drags or slides his/her finger on the GUI **302** from the interface region **301b** to the interface region **301a**. The audio recording application detects the user's slide gesture on the GUI **302** and highlights the interface region **301a** as exemplarily illustrated in FIG. **3C**. When the user lifts or releases his/her finger from the interface region **301a**, the

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audio recording application detects the user's release gesture on the GUI **302**. In response to the detection of the release gesture, the audio recording application executes the predefined function associated with the interface region **301a** where the release gesture was detected. Since the predefined function that was newly associated with the interface region **301a** is to cancel and delete the recorded audio data which is currently being recorded, the audio recording application executes this predefined function and cancels the recorded audio data as exemplarily illustrated in FIG. **3D**. Therefore, the audio recording application allows a user to cancel the recording being made by the user under the push to talk (PTT) communication mode, without being forced to go through another interaction with the GUI **302**.

[0043] FIGS. **4A-4D** exemplarily illustrate three interface regions **301** defined on a graphical user interface (GUI) **302** of an electronic device **303** and associated with predefined functions. The electronic device **303** is, for example, a mobile communication device with a touch sensitive display. The electronic device **303** is capable of recording and storing media data, for example, audio data. In this example, the communication modes for recording the audio data are, for example, a push to talk (PTT) communication mode, a release to record (RTR) communication mode, and a tap to end (TTE) communication mode. The PTT communication mode is disclosed in the detailed description of FIGS. **3A-3D**. The RTR communication mode is convenient for recording lengthy audio data. FIGS. **4A-4D** exemplarily illustrate switching from the PTT communication mode to the RTR communication mode for recording the audio data.

[0044] Consider an example where a user wishes to switch from the push to talk (PTT) communication mode to the release to record (RTR) communication mode to avoid having to continually press the interface region **301b** for recording lengthy audio data. The media recording application configured as an audio recording application defines interface regions **301a**, **301b**, and **301c** on the GUI **302** as exemplarily illustrated in FIGS. **4A-4D**. The audio recording application dynamically associates the predefined function of recording the audio data in the PTT communication mode to the interface region **301b** as exemplarily illustrated in FIG. **4A**. Initially, the interface regions **301a**

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and **301c** are associated with a null function or have a similar predefined function as that of the defined interface region **301b**.

[0045] In an example, the user performs a press and hold gesture on the interface region **301b**. The audio recording application detects the press and hold gesture on the interface region **301b**. In response to the detection of the press and hold gesture, the audio recording application triggers recording of the audio data and simultaneously associates new predefined functions to the interface regions **301a**, **301b**, and **301c** as exemplarily illustrated in FIG. **4B**. The new predefined function associated with the interface region **301b** is "hold to record (HTR)/release to stop (RTS)", indicating that the user needs to continue holding the interface region **301b** for recording the audio data and can release the button to stop recording or save the recorded audio data. The new predefined function associated with the interface region **301a** is to cancel and delete the current audio data which is being recorded. The new predefined function assigned to the interface region **301c** is to record the current audio data in the release to record (RTR) communication mode. Although the user initiated the recording of the audio data in the push to talk (PTT) communication mode by pressing and holding the interface region **301b**, the user realizes that the recording will be lengthy, and wishes to continue recording without continually pressing the interface region **301b**.

[0046] The user performs a slide gesture on the GUI **302** to switch from the push to talk (PTT) communication mode to the release to record (RTR) communication mode. That is, the user slides his/her finger on the GUI **302** from the interface region **301b** to the interface region **301c**. The audio recording application detects the user's slide gesture on the GUI **302** and highlights the interface region **301c** as exemplarily illustrated in FIG. **4C**. When the user releases his/her finger from the interface region **301c**, the audio recording application detects the user's release gesture on the GUI **302**. In response to the detection of the release gesture, the audio recording application executes the predefined function associated with the interface region **301c** where the release gesture was detected. Since the predefined function that was newly associated with the interface region **301c** is to continue recording the audio data in the RTR communication mode, the audio

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recording application executes this predefined function and continues recording the audio data in the RTR communication mode. In response to the slide and release gesture on the interface region **301c**, the audio recording application dynamically associates a new predefined function indicated by "tap to end (TTE)" with the interface regions **301b** and **301c** as exemplarily illustrated in FIG. **4D**. The user can terminate the recording of the audio data by tapping on the interface region **301b** or **301c**. Adding an option to switch the communication mode from the PTT communication mode to the RTR communication mode is useful if the user realizes that he/she is getting tired of holding a button midway through recording of the audio data.

[0047] After the user switches from the push to talk (PTT) communication mode to the release to record (RTR) communication mode, the user may further also cancel recording the audio data in the RTR communication mode by touching the interface region **301a**. In response to the detection of the touch gesture on the interface region **301a**, the audio recording application executes the predefined function associated with the interface region **301a** where the touch gesture was detected. Since the predefined function that was newly associated with the interface region **301a** is to cancel and delete the recorded audio data that is currently being recorded, the audio recording application executes this predefined function and cancels the recorded audio data. In another example, the user may also switch from the RTR communication mode to the PTT communication mode by pressing another interface region, for example, **301b** associated with the PTT communication mode. Furthermore, the user may initiate recording of the audio data in the RTR communication mode and then switch to the PTT communication mode at any time by pressing the interface region **301b** associated with the PTT communication mode on the GUI **302**.

[0048] FIG. **5** exemplarily illustrates a list of predefined functions provided by the media recording application for configuring interface regions **301a**, **301b**, and **301c** on a graphical user interface (GUI) **302** of an electronic device **303** based on user preferences. In an embodiment, the media recording application allows a user to configure the predefined functions for one or more defined interface regions **301a**, **301b**, and **301c**

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based on the user's preferences for performing multiple actions as disclosed in the detailed description of FIG. **1**. The predefined functions comprise, for example, tap to start (TTS), push to talk (PTT), release to record (RTR), cancel, etc., as exemplarily illustrated in FIG. **5**. The user can choose what predefined function is to be configured with the interface region **301a** and the media recording application associates that particular predefined function with that interface region **301a**. Similarly, the user can choose the predefined functions that are to be configured with the other interface regions **301b** and **301c** and the media recording application associates those predefined functions with the respective interface regions **301b** and **301c**. When the media recording application detects gestures on the interface regions **301a**, **301b**, and **301c**, the media recording application executes the associated predefined functions.

[0049] FIGS. **6A-6E** exemplarily illustrate three interface regions **301a**, **301b**, and **301c** defined on a graphical user interface (GUI) **302** of an electronic device **303** and associated with predefined functions for performing an action associated with recording of media data. The media recording application defines interface regions **301a**, **301b**, and **301c** on the GUI **302** as exemplarily illustrated in FIGS. **6A-6E**. The media recording application dynamically associates the predefined function of recording the media data in the push to talk (PTT) communication mode to the interface region **301b** as exemplarily illustrated in FIG. **6A**. The media recording application detects a press and hold gesture on the interface region **301b**, triggers recording of the media data, and simultaneously associates new predefined functions to the interface regions **301a** and **301c** as exemplarily illustrated in FIG. **6B**. The new predefined function associated with the interface region **301c** is a link to view an options menu for performing an operation during the recording of the media data. The options menu comprises options, for example, switching the recording mode, canceling the recording, adding an effect, etc., as exemplarily illustrated in FIG. **6C**. The new predefined function associated with the interface region **301a** is to cancel and delete the current media data that is being recorded.

[0050] When the user slides his/her finger on the GUI **302** from the interface region **301b** to the interface region **301c**, the media recording application detects the slide

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gesture on the GUI **302** and highlights the interface region **301c** as exemplarily illustrated in FIG. **6C**. In response to the detection of the slide gesture, the media recording application displays the options menu to the user for selecting an action associated with the recording. The user can switch the recording mode, cancel the recording, or add an effect to the media data by selecting one of the options displayed on the GUI **302**. Once the option is selected, the media recording application associates another predefined function to the interface regions **301a**, **301b**, and **301c** depending on the selected option. For example, the media recording application associates another predefined function indicated by "tap to end (TTE)" with the interface regions **301a**, **301b**, and **301c** to allow the user to terminate the recording of the media data. If the user selects the option, for example, "switch recording mode" from the options menu, the media recording application switches the communication mode from the push to talk (PTT) communication mode to the TTE communication mode. The media recording application continues recording of the media data in the TTE communication mode as exemplarily illustrated in FIG. **6D**. The user can then tap on any of the interface regions **301a**, **301b**, and **301c** to stop the recording as exemplarily illustrated in FIG. **6E**.

[0051] FIG. **7** exemplarily illustrates multiple options provided by the media recording application for performing an action associated with recorded media data. The media recording application generates and displays multiple options for performing operations associated with the recorded media data. The options comprise, for example, save the recorded media data as a note, save the recorded media data as a draft for a future use of the recorded media data, save the recorded media data for sending the recorded media data to another electronic device, send the recorded media data to a friend or another user, delete the recorded media data, post the recorded media data on Facebook® of Facebook, Inc., post the recorded media data on Twitter® of Twitter, Inc., post the recorded media data on other social networking platforms, etc.

[0052] FIG. **8** illustrates a computer implemented system **800** for recording media data in one or more of multiple communication modes based on one or more gestures on a graphical user interface (GUI) **302** of an electronic device **303**. The communication

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modes comprise, for example, a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, a tap to end communication mode, etc. The electronic device **303** is, for example, a cellular phone, a smart phone, a tablet computing device, a laptop, a personal digital assistant, a touch centric device, a digital camera, a television, a car, a gaming console, etc., or any other electronic device configured for communication. The computer implemented system **800**, also referred to as a "multi-gesture media recording system", comprises the media recording application **801** deployed on a user's electronic device **303**. In an embodiment, the media recording application **801** is configured as an audio recording application configured to manage the GUI **302** of the electronic device **303** and actions associated with recording of audio data in one or more of the communication modes on the electronic device **303**. The computer implemented system **800** disclosed herein further comprises at least one processor **802** and a non-transitory computer readable storage medium communicatively coupled to the processor **802**. The processor **802** is configured to execute modules **801a**, **801b**, **801c**, **801d**, etc., of the media recording application **801**. The non-transitory computer readable storage medium is configured to store the modules **801a**, **801b**, **801c**, **801d**, etc., of the media recording application **801**.

[0053] The media recording application **801** manages the GUI **302** of the electronic device **303** and actions associated with the recording of the media data in one or more communication modes on the electronic device **303**. The media recording application **801** comprises an interface definition module **801a**, a detection module **801b**, a media recording module **801c**, and an action management module **801d**. The interface definition module **801a** defines multiple interface regions **301** on the GUI **302** of the electronic device **303** as exemplarily illustrated in FIGS. **3A-3D**, FIGS. **4A-4D**, and FIGS. **6A-6E**. The interface definition module **801a** further associates a predefined function from multiple predefined functions with each of the defined interface regions **301** on the GUI **302** as disclosed in the detailed description of FIGS. **3A-3D** and FIGS. **4A-4D**. The interface definition module **801a** also dynamically changes the predefined function associated with one of the defined interface regions **301** to another one of the predefined

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functions based on one or more communication modes and user preferences. In an embodiment, the interface definition module **801a** configures predefined functions for one or more defined interface regions **301** based on the user's preferences as disclosed in the detailed description of FIG. **5**.

[0054] The detection module **801b** detects one of multiple gestures, for example, a click and hold gesture, a press and hold gesture, a tap gesture, a tap and hold gesture, a touch gesture, a slide gesture, etc., on one of the defined interface regions **301**. The action management module **801d** performs a first action associated with the recording of the media data in one of the communication modes, on detection of a gesture on one of the defined interface regions **301**. The detection module **801b** further detects another gesture on the same one of the defined interface regions **301** or another one of the defined interface regions **301**. The action management module **801d** performs a second action, in response to the detection of another gesture on the same one of the defined interface regions **301** or another one of the defined interface regions **301**. The first action and the second action are at least one of: triggering recording of the media data, switching from one communication mode to another communication mode for recording the media data; canceling the recording of the media data, generating and displaying multiple options for performing an operation associated with the recorded media data, etc.

[0055] In an embodiment, the media recording module **801c** streams the media data to a server **804** via a network **803** continuously while recording the media data, or at predefined time intervals after initiation of the recording of the media data, or after completion of the recording of the media data. For example, the media recording module **801c** streams audio data to the server **804** via the network **803** continuously while recording the audio data, or at predefined time intervals after initiation of the recording of the audio data, or after completion of the recording of the audio data. The network **803** is, for example, the internet, an intranet, a wireless network, a communication network that implements Bluetooth® of Bluetooth Sig, Inc., a network that implements Wi-Fi® of the Wireless Ethernet Compatibility Alliance, Inc., an ultra-wideband communication network (UWB), a wireless universal serial bus (USB) communication network, a

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communication network that implements ZigBee® of ZigBee Alliance Corporation, a general packet radio service (GPRS) network, a mobile telecommunication network such as a global system for mobile (GSM) communications network, a code division multiple access (CDMA) network, a third generation (3G) mobile communication network, a fourth generation (4G) mobile communication network, a long-term evolution (LTE) mobile communication network, an internet connection network, an infrared communication network, etc., or a network formed from any combination of these networks.

[0056] FIG. **9** exemplarily illustrates the architecture of a computer system **901** employed by the media recording application **801** for managing a graphical user interface (GUI) **302** of an electronic device **303** and actions associated with recording media data in one or more of multiple communication modes. The media recording application **801** of the computer implemented system **800** exemplarily illustrated in FIG. **8** employs the architecture of the computer system **901** exemplarily illustrated in FIG. **9**. The computer system **901** is programmable using a high level computer programming language. The computer system **901** may be implemented using programmed and purposeful hardware. The computer system **901** comprises, for example, a processor **802**, a non-transitory computer readable storage medium such as a memory unit **902** for storing programs and data, an input/output (I/O) controller **903**, a network interface **904**, a data bus **905**, a display unit **906**, input devices **907**, a fixed media drive **908**, output devices **910**, etc. The computer system **901** may optionally comprise a removable media drive **909** for receiving removable media.

[0057] The processor **802** refers to any one or more microprocessors, central processing unit (CPU) devices, finite state machines, computers, microcontrollers, digital signal processors, logic, a logic device, an electronic circuit, an application specific integrated circuit (ASIC), a field-programmable gate array (FPGA), a chip, etc., or any combination thereof, capable of executing computer programs or a series of commands, instructions, or state transitions. The processor **802** may also be implemented as a processor set comprising, for example, a general purpose microprocessor and a math or graphics co-

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processor. The processor **802** is selected, for example, from the Intel® processors such as the Itanium® microprocessor or the Pentium® processors, Advanced Micro Devices (AMD®) processors such as the Athlon® processor, UltraSPARC® processors, microSPARC® processors, hp® processors, International Business Machines (IBM®) processors such as the PowerPC® microprocessor, the MIPS® reduced instruction set computer (RISC) processor of MIPS Technologies, Inc., RISC based computer processors of ARM Holdings, Motorola® processors, etc. The computer implemented system **800** disclosed herein is not limited to a computer system **901** employing a processor **802**. The computer system **901** may also employ a controller or a microcontroller.

[0058] The memory unit **902** is used for storing programs, applications, and data. For example, the interface definition module **801a**, the detection module **801b**, the media recording module **801c**, and the action management module **801d** of the media recording application **801** are stored in the memory unit **902**. The memory unit **902** is, for example, a random access memory (RAM) or another type of dynamic storage device that stores information and instructions for execution by the processor **802**. The memory unit **902** also stores temporary variables and other intermediate information used during execution of the instructions by the processor **802**. The computer system **901** further comprises a read only memory (ROM) or another type of static storage device that stores static information and instructions for the processor **802**.

[0059] The I/O controller **903** controls input actions and output actions performed by the media recording application **801**. The network interface **904** enables connection of the computer system **901** to a network **803**, for example, the internet, a mobile communication network, etc. For example, the computer system **901** communicates with other interacting devices, for example, another mobile device (not shown) through the network interface **904**. In an embodiment, the network interface **904** is provided as an interface card also referred to as a line card or as a modem. The network interface **904** comprises, for example, one or more of an infrared (IR) interface, an interface implementing Wi-Fi® of the Wireless Ethernet Compatibility Alliance, Inc., a universal

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serial bus (USB) interface, a FireWire® interface of Apple, Inc., a Bluetooth® interface, an Ethernet interface, a frame relay interface, a cable interface, a digital subscriber line (DSL) interface, a token ring interface, a peripheral controller interconnect (PCI) interface, a local area network (LAN) interface, a wide area network (WAN) interface, interfaces using serial protocols, interfaces using parallel protocols, and Ethernet communication interfaces, asynchronous transfer mode (ATM) interfaces, a high-speed serial interface (HSSI), a fiber distributed data interface (FDDI), interfaces based on transmission control protocol (TCP)/internet protocol (IP), interfaces based on wireless communications technology such as satellite technology, radio frequency (RF) technology, near field communication, etc. The data bus **905** permits communications between the GUI **302** and the modules, for example, **801a**, **801b**, **801c**, **801d**, etc., of the media recording application **801**. The data bus **905** also permits communications between the modules, for example, **801a**, **801b**, **801c**, **801d**, etc., of the media recording application **801**.

[0060] The display unit **906**, via the GUI **302**, displays information, display interfaces, interactable interface regions **301** exemplarily illustrated in FIGS. **3A-3D**, FIGS. **4A-4D**, and FIGS. **6A-6E**, such as icons, software implemented buttons, sliders, for example, for allowing a user to perform an action, for example, cancel media data being recorded, delete recorded media data, change the communication mode for recording the media data, save the recorded media data as a draft, etc. The display unit **906** comprises, for example, a liquid crystal display, a plasma display, an organic light emitting diode (OLED) based display, etc. The input devices **907** are used for inputting data into the computer system **901**. The input devices **907** are, for example, a keyboard such as an alphanumeric keyboard, a microphone, a joystick, a pointing device such as a computer mouse, a touch pad, a light pen, a physical button, a pointing device, a touch sensitive display device, a track ball, a pointing stick, etc. For example, a user inputs a selection of the options for performing an operation associated with the recorded media data, and/or inputs a configuration of the predefined functions for one or more of the defined interface regions **301** on the GUI **302** using the inputs devices **907**.

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[0061] Computer applications and programs are used for operating the computer system **901**. In an embodiment, the programs are loaded onto the fixed media drive **908** and into the memory unit **902** of the computer system **901** via the removable media drive **909**. In another embodiment, the computer applications and programs may be loaded directly via a network **803**, for example, a Wi-Fi® network. Computer applications and programs are executed by double clicking a related icon displayed on the display unit **906** using one of the input devices **907**. The output devices **910** output the results of operations performed by the media recording application **801**, for example, for viewing by a user of the electronic device **303**. For example, the media recording application **801** prompts the user to select an option for performing an operation associated with the recorded media data through a dialog box on an output device **910** such as the display unit **906** of the electronic device **303**.

[0062] The processor **802** executes an operating system, for example, the Linux® operating system, the Unix® operating system, any version of the Microsoft® Windows® operating system, the Mac OS of Apple Inc., the IBM® OS/2, VxWorks® of Wind River Systems, inc., QNX Neutrino® developed by QNX Software Systems Ltd., the Palm OS®, the Solaris operating system developed by Sun Microsystems, Inc., the Android operating system, the Windows Phone® operating system of Microsoft Corporation, the BlackBerry® operating system of Research in Motion Limited, the iOS operating system of Apple Inc., the Symbian® operating system of Symbian Foundation Limited, etc. The computer system **901** employs the operating system for performing multiple tasks. The operating system is responsible for management and coordination of activities and sharing of resources of the computer system **901**. The operating system further manages security of the computer system **901**, peripheral devices connected to the computer system **901**, and network connections. The operating system employed on the computer system **901** recognizes, for example, inputs provided by the user using one of the input devices **907**, the output display, files, and directories stored locally on the fixed media drive **908**, for example, a hard drive. The operating system on the computer system **901** executes different programs using the processor **802**. The processor **802** and the operating

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system together define a computer platform for which application programs in high level programming languages are written.

[0063] The processor **802** retrieves instructions for executing the modules, for example, **801a**, **801b**, **801c**, **801d**, etc., of the media recording application **801** from the memory unit **902**. A program counter determines the location of the instructions in the memory unit **902**. The program counter stores a number that identifies the current position in the program of each of the modules, for example, **801a**, **801b**, **801c**, **801d**, etc., of the media recording application **801**. The instructions fetched by the processor **802** from the memory unit **902** after being processed are decoded. The instructions are stored in an instruction register in the processor **802**. After processing and decoding, the processor **802** executes the instructions. For example, the interface definition module **801a** defines instructions for defining multiple interface regions **301** on the GUI **302** of the electronic device **303**. Furthermore, the interface definition module **801a** defines instructions for associating a predefined function from multiple predefined functions with each of the defined interface regions **301** on the GUI **302**. Furthermore, the interface definition module **801a** defines instructions for dynamically changing the predefined function associated with one of the defined interface regions **301** to another one of the predefined functions based on one or more communication modes and user preferences. Furthermore, the interface definition module **801a** defines instructions for configuring predefined functions for one or more defined interface regions **301** based on the user's preferences.

[0064] The detection module **801b** defines instructions for detecting one of multiple gestures on one of the defined interface regions **301**. The action management module **801d** defines instructions for performing a first action associated with the recording of the media data in one of the communication modes, on detection of a gesture on one of the defined interface regions **301**. Furthermore, the detection module **801b** defines instructions for detecting another gesture on the same one of the defined interface regions **301** or another one of the defined interface regions **301**. The action management module **801d** defines instructions for performing a second action, in response to the detection of

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another gesture on the same one of the defined interface regions **301** or another one of the defined interface regions **301**. The media recording module **801c** defines instructions for streaming the media data to a server **804** via the network **803** continuously while recording the media data, or at predefined time intervals after initiation of the recording of the media data, or after completion of the recording of the media data.

[0065] The processor **802** of the computer system **901** employed by the media recording application **801** retrieves the instructions defined by the interface definition module **801a**, the detection module **801b**, the media recording module **801c**, and the action management module **801d** of the media recording application **801**, and executes the instructions, thereby performing one or more processes defined by those instructions. At the time of execution, the instructions stored in the instruction register are examined to determine the operations to be performed. The processor **802** then performs the specified operations. The operations comprise arithmetic operations and logic operations. The operating system performs multiple routines for performing a number of tasks required to assign the input devices **907**, the output devices **910**, and memory for execution of the modules, for example, **801a**, **801b**, **801c**, **801d**, etc., of the media recording application **801**. The tasks performed by the operating system comprise, for example, assigning memory to the modules, for example, **801a**, **801b**, **801c**, **801d**, etc., of the media recording application **801**, and to data used by the media recording application **801**, moving data between the memory unit **902** and disk units, and handling input/output operations. The operating system performs the tasks on request by the operations and after performing the tasks, the operating system transfers the execution control back to the processor **802**. The processor **802** continues the execution to obtain one or more outputs. The outputs of the execution of the modules, for example, **801a**, **801b**, **801c**, **801d**, etc., of the media recording application **801** are displayed on the display unit **906** to the user.

[0066] For purposes of illustration, the detailed description refers to the media recording application **801** being run locally on the computer system **901**; however the scope of the computer implemented method and system **800** disclosed herein is not

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limited to the media recording application **801** being run locally on the computer system **901** via the operating system and the processor **802**, but may be extended to run remotely over the network **803** by employing a web browser and a remote server, a mobile phone, or other electronic devices. One or more portions of the computer system **901** may be distributed across one or more computer systems (not shown) coupled to the network **803**.

[0067] Disclosed herein is also a computer program product comprising a non-transitory computer readable storage medium that stores computer program codes comprising instructions executable by at least one processor **802** for recording media data in one or more communication modes based on one or more gestures on the GUI **302** of the electronic device **303**. As used herein, the term "non-transitory computer readable storage medium" refers to all computer readable media, for example, non-volatile media such as optical discs or magnetic disks, volatile media such as a register memory, a processor cache, etc., and transmission media such as wires that constitute a system bus coupled to the processor **802**, except for a transitory, propagating signal.

[0068] The computer program product disclosed herein comprises a first computer program code for defining multiple interface regions **301** on the GUI **302** of the electronic device **303**; a second computer program code for detecting one of multiple gestures on one of the defined interface regions **301**; a third computer program code for performing a first action associated with the recording of media data in one of the communication modes, on detection of a gesture on one of the defined interface regions **301**; a fourth computer program code for detecting another gesture on the same one of the defined interface regions **301** or another one of the defined interface regions **301**; and a fifth computer program code for performing a second action, in response to the detection of the other gesture on the same one of the defined interface regions **301** or the other one of the defined interface regions **301**. The computer program product disclosed herein further comprises a sixth computer program code for triggering recording of the media data; a seventh computer program code for switching from one communication mode to another communication mode for recording the media data; an eighth computer program

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code for canceling the recording of the media data; and a ninth computer program code for generating and displaying multiple options for performing an operation associated with the recorded media data.

[0069] In an embodiment, the computer program product disclosed herein further comprises a tenth computer program code for associating a predefined function from multiple predefined functions with each of the defined interface regions **301** on the GUI **302**; an eleventh computer program code for dynamically changing the predefined function associated with one of the defined interface regions **301** to another one of the predefined functions based on one or more communication modes and user preferences; and a twelfth computer program code for configuring predefined functions for one or more defined interface regions **301** based on the user's preferences. In an embodiment, the computer program product disclosed herein further comprises a thirteenth computer program code for streaming the media data to the server **804** via the network **803** continuously while recording the media data, or at predefined time intervals after initiation of the recording of the media data, or after completion of the recording of the media data.

[0070] The computer program product disclosed herein further comprises one or more additional computer program codes for performing additional steps that may be required and contemplated for recording the media data in one or more communication modes based on one or more gestures on the GUI **302** of the electronic device **303**. In an embodiment, a single piece of computer program code comprising computer executable instructions performs one or more steps of the computer implemented method disclosed herein for recording the media data in one or more communication modes based on one or more gestures on the GUI **302** of the electronic device **303**. The computer program codes comprising the computer executable instructions are embodied on the non-transitory computer readable storage medium. The processor **802** of the computer system **901** retrieves these computer executable instructions and executes them. When the computer executable instructions are executed by the processor **802**, the computer executable instructions cause the processor **802** to perform the steps of the computer

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implemented method for recording the media data in one or more communication modes based on one or more gestures on the GUI **302** of the electronic device **303**.

[0071] It will be readily apparent that the various methods, algorithms, and computer programs disclosed herein may be implemented on computer readable media appropriately programmed for computing devices, communication devices, and electronic devices. As used herein, the term "computer readable media" refers to non-transitory computer readable media that participate in providing data, for example, instructions that may be read by a computer, a processor or a similar device. Non-transitory computer readable media comprise all computer readable media, for example, non-volatile media, volatile media, and transmission media, except for a transitory, propagating signal. Non-volatile media comprise, for example, optical discs or magnetic disks and other persistent memory volatile media including a dynamic random access memory (DRAM), which typically constitutes a main memory. Volatile media comprise, for example, a register memory, a processor cache, a random access memory (RAM), etc. Transmission media comprise, for example, coaxial cables, copper wire, fiber optic cables, modems, etc., including wires that constitute a system bus coupled to a processor, etc. Common forms of computer readable media comprise, for example, a floppy disk, a flexible disk, a hard disk, magnetic tape, a laser disc, a Blu-ray Disc®, any magnetic medium, a compact disc-read only memory (CD-ROM), a digital versatile disc (DVD), any optical medium, a flash memory card, punch cards, paper tape, any other physical medium with patterns of holes, a random access memory (RAM), a programmable read only memory (PROM), an erasable programmable read only memory (EPROM), an electrically erasable programmable read only memory (EEPROM), a flash memory, any other memory chip or cartridge, or any other medium from which a computer can read.

[0072] The computer programs that implement the methods and algorithms disclosed herein may be stored and transmitted using a variety of media, for example, the computer readable media in a number of manners. In an embodiment, hard-wired circuitry or custom hardware may be used in place of, or in combination with, software instructions for implementation of the processes of various embodiments. Therefore, the

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embodiments are not limited to any specific combination of hardware and software. In general, the computer program codes comprising computer executable instructions may be implemented in any programming language. Some examples of programming languages that can be used comprise C, C++, C#, Objective-C, Java®, JavaScript®, Fortran, Ruby, Pascal, Perl®, Python®, Visual Basic®, etc. Other object-oriented, functional, scripting, and/or logical programming languages may also be used. The computer program codes or software programs may be stored on or in one or more mediums as object code. Various aspects of the method and system disclosed herein may be implemented as programmed elements, or non-programmed elements, or any suitable combination thereof. The computer program product disclosed herein comprises computer executable instructions embodied in a non-transitory computer readable storage medium, wherein the computer program product comprises one or more computer program codes for implementing the processes of various embodiments.

[0073] The present invention can be configured to work in a network environment comprising one or more computers that are in communication with one or more devices via a network. The computers may communicate with the devices directly or indirectly, via a wired medium or a wireless medium such as the Internet, a local area network (LAN), a wide area network (WAN) or the Ethernet, a token ring, or via any appropriate communications mediums or combination of communications mediums. Each of the devices may comprise processors, for example, the Intel® processors, Advanced Micro Devices (AMD®) processors, UltraSPARC® processors, hp® processors, International Business Machines (IBM®) processors, RISC based computer processors of ARM Holdings, Motorola® processors, etc., that are adapted to communicate with the computers. In an embodiment, each of the computers is equipped with a network communication device, for example, a network interface card, a modem, or other network connection device suitable for connecting to a network. Each of the computers and the devices executes an operating system, for example, the Linux® operating system, the Unix® operating system, any version of the Microsoft® Windows® operating system, the Mac OS of Apple Inc., the IBM® OS/2, the Palm OS®, the Android® OS, the Blackberry® OS, the Solaris operating system developed by Sun Microsystems, Inc., or any other

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operating system. Handheld devices execute operating systems, for example, the Android operating system, the Windows Phone® operating system of Microsoft Corporation, the BlackBerry® operating system of Research in Motion Limited, the iOS operating system of Apple Inc., the Symbian® operating system of Symbian Foundation Limited, etc. While the operating system may differ depending on the type of computer, the operating system will continue to provide the appropriate communications protocols to establish communication links with the network. Any number and type of machines may be in communication with the computers. The present invention is not limited to a particular computer system platform, processor, operating system, or network. The present invention is not limited to be executable on any particular system or group of systems, and is not limited to any particular distributed architecture, network, or communication protocol.

[0074] The foregoing examples have been provided merely for the purpose of explanation and are in no way to be construed as limiting of the present invention disclosed herein. While the invention has been described with reference to various embodiments, it is understood that the words, which have been used herein, are words of description and illustration, rather than words of limitation. Further, although the invention has been described herein with reference to particular means, materials, and embodiments, the invention is not intended to be limited to the particulars disclosed herein; rather, the invention extends to all functionally equivalent structures, methods and uses, such as are within the scope of the appended claims. Those skilled in the art, having the benefit of the teachings of this specification, may affect numerous modifications thereto and changes may be made without departing from the scope and spirit of the invention in its aspects.

Petitioner Exhibit 1004, Page 77 of 653

Doc Code: PA..

Document Description: Power of Attorney

PTO/AIA/82A (07-12)

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Application Number	
Filing Date	
First Named Inventor	Kieraj Singh Mumick
Title	Multi-gesture Media Recording System
Art Unit	
Examiner Name	
Attorney Docket Number	KIRU-14NP-US

SIGNATURE of Applicant or Patent Practitioner

Signature	/a tankha/	Date	8 October 2013
Name	Ashok Tankha	Telephone	856-266-5145
Registration Number	33802		

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications.

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Document Description: Power of Attorney

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I hereby revoke all previous powers of attorney given in the application identified in the attached transmittal letter.

☐ I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A or equivalent):

OR

☒ I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A or equivalent):

Name	Registration Number	Name	Registration Number
Ashok Tankha	33802		

Please recognize or change the correspondence address for the application identified in the attached transmittal letter to:

☐ The address associated with the above-mentioned Customer Number.
OR
☐ The address associated with Customer Number:
OR

☒ Firm or Individual Name	Ashok Tankha				
Address	36 Greenleigh Drive				
City	Sewell	State	NJ	Zip	08080
Country	USA				
Telephone	856-266-5145	Email	ash@ipprocurement.com		

I am the Applicant:

☒ Inventor or Joint Inventor
☐ Legal Representative of a Deceased or Legally Incapacitated Inventor
☐ Assignee or Person to Whom the Inventor is Under an Obligation to Assign
☐ Person Who Otherwise Shows Sufficient Proprietary Interest (*e.g.*, a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document)

SIGNATURE of Applicant for Patent

Signature		Date	4/23/13
Name	Kiran Singh Mumick	Telephone	
Title and Company			

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms for more than one signature, see below *.

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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 14/051,735

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	70		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	300		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	360		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	40 minus 20 =	* 20	x 40 =	800	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	6 minus 3 =	* 3	x 210 =	630			
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).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	2160		TOTAL	

APPLICATION AS AMENDED - PART II

		(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($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT A	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	

		(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($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT B	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 found in the appropriate box in column 1.

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
14/051,735	10/11/2013	2687	2160	KIRU-14NP-US	40	6

CONFIRMATION NO. 3926

Ashok Tankha
36 Greenleigh Drive
Sewell, NJ 08080

FILING RECEIPT

OC00000006464187 6

Date Mailed: 10/30/2013

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)
Kieraj Singh Mumick, Berkeley Heights, NJ;

Applicant(s)
Kieraj Singh Mumick, Berkeley Heights, NJ;

Assignment For Published Patent Application
KIRUSA, INC., New Providence, NJ

Power of Attorney:
Ashok Tankha--33802

Domestic Priority data as claimed by applicant
This appln claims benefit of 61/713,635 10/15/2012

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access - A proper **Authorization to Permit Access to Application by Participating Offices** (PTO/SB/39 or its equivalent) has been received by the USPTO.

If Required, Foreign Filing License Granted: 10/28/2013
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 14/051,735**
Projected Publication Date: 04/17/2014
Non-Publication Request: No

Early Publication Request: No
**** SMALL ENTITY ****
Title

Multi-gesture Media Recording System

Preliminary Class

360

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: Yes

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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Title 37, Code of Federal Regulations, 5.11 & 5.15

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/051,735	10/11/2013	Kieraj Singh Mumick	KIRU-14NP-US

CONFIRMATION NO. 3926

Ashok Tankha
36 Greenleigh Drive
Sewell, NJ 08080

POA ACCEPTANCE LETTER

OC000000064641884

Date Mailed: 10/30/2013

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 10/11/2013.

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.

/qtran/

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

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/051,735	10/11/2013	Kieraj Singh Mumick	KIRU-14NP-US

CONFIRMATION NO. 3926

Ashok Tankha
36 Greenleigh Drive
Sewell, NJ 08080

PUBLICATION NOTICE

OC000000067853829

Title: Multi-gesture Media Recording System

Publication No.US-2014-0108928-A1
Publication Date:04/17/2014

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 1-866-217-9197.

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

Remarks

Present Invention and Pending Claims

The present invention relates to a computer implemented method and system for determining a communication mode for recording a media message on a user's communication device, by automatically deducing the user's intent while recording the media message

Summary of Claim Amendments

Claims 2, 11, 18, 23, 31 and 35 are currently amended.

Support for the amendment "**combinations thereof**" in claims 2, 11, 18, 23 and 31; and the amendment "**one or more of**" in claim 35 is found in paragraph [0030] of the original application. Paragraph [0030] states: "*In addition to triggering of recording of the media data, the media recording application manages switching of the communication mode or cancelation of the recording, for example, in a push to talk communication mode or a tap to start communication mode*", which clearly illustrates the selection to be one, or more than one i.e., a combination.

Conclusion

Applicant respectfully requests that a timely Notice of Allowance be issued in this case. In the interest of compact prosecution, if the prosecution of the application can be advanced or if a claim may be made potentially allowable by an Examiner's amendment, applicant requests Examiner Vu to call the undersigned with the proposed amendment.

Respectfully submitted,

Date: October 31, 2014 /a tankha/

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:
Application No.: 14/051,735
Filed: 10/11/2013
Applicant: Kieraj Singh Mumick
Title: Multi-Gesture Media Recording System

Art Unit: 2649
Examiner: Vu, Kieu D
Attorney Docket No.: KIRU-14NP-US

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

TRANSMITTAL LETTER

1. **Attachments:** We are transmitting herewith the attached papers for the above identified patent application:

☒ **Preliminary amendment** (19 pages).

2. **General Authorization to charge or credit fees:** The Director is hereby authorized to charge any underpayment of fee or any other fee that may be required to deposit account # **503291**.

4. **Certificate Of Transmission Under 37 § CFR 1.8**: The undersigned hereby certifies that this Transmittal Letter and the papers as described in paragraph 1 hereinabove, are being electronically transmitted to the United States Patent and Trademark Office **via the USPTO electronic filing system** on this **31st** day of **October 2014.**

Respectfully submitted,

Date: Oct 31, 2014

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Electronic Acknowledgement Receipt

EFS ID:	20569504
Application Number:	14051735
International Application Number:	
Confirmation Number:	3926
Title of Invention:	Multi-gesture Media Recording System
First Named Inventor/Applicant Name:	Kieraj Singh Mumick
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Filer:	Ashok Tankha
Filer Authorized By:	
Attorney Docket Number:	KIRU-14NP-US
Receipt Date:	31-OCT-2014
Filing Date:	11-OCT-2013
Time Stamp:	00:07:51
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	Transmittal Letter	KIRU-14NP-US_Transmittal_Letter.pdf	23101 beb7a7c9c35946dd7e991e07d4b221787f99fe02	no	1
Warnings:					
Information:					
2	Preliminary Amendment	KIRU-14NP-US_Preliminary_Amendment.pdf	70435 2f9e650580cddd2acdf03eb495bef48b949fe2a4	no	19
Warnings:					
Information:					
		Total Files Size (in bytes):	93536		

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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:
Application No.: 14/051,735
Filed: 10/11/2013
Applicant: Kieraj Singh Mumick
Title: Multi-Gesture Media Recording System

Art Unit: 2649
Examiner: Vu, Kieu D
Attorney Docket No.: KIRU-14NP-US

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

Preliminary amendment

With reference to the above-identified patent application, please amend the claims as shown below.

Amendments to the Claims: Amendments to the claims are listed on page 2 of this document.

Remarks begin on page 18 of this document.

Attachments:

1. Transmittal form, Form PTO/SB/20.

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Amendments to the Claims

I Claim:

Claim 1 (original): A computer implemented method for recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of an electronic device, comprising:

providing a gesture based media recording application executable by at least one processor configured to manage said graphical user interface of said electronic device and actions associated with said recording of said media data in said one or more of said communication modes on said electronic device;

defining a plurality of interface regions on said graphical user interface of said electronic device by said gesture based media recording application;

detecting one of multiple gestures on one of said defined interface regions by said gesture based media recording application;

performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said one of said gestures on said one of said defined interface regions;

detecting another one of said gestures on one of: said one of said defined interface regions and another one of said defined interface regions, by said gesture based media recording application; and

performing a second action, in response to said detection of said another one of said gestures on said one of: said one of said defined interface regions and said

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another one of said defined interface regions, by said gesture based media recording application.

Claim 2 (currently amended): The computer implemented method of claim 1, wherein said first action ~~and said second action are at least one of~~ is selected from the group consisting of:

triggering said recording of said media data[[;]],

switching from said one of said communication modes to another one of said communication modes for said recording of said media data[[;]],

canceling said recording of said media data~~; and~~,

generating and displaying a plurality of options for performing an operation associated with said recorded media data, and

combinations thereof;

and wherein said second action is selected from the group consisting of:

triggering said recording of said media data,

switching from said one of said communication modes to another one of said communication modes for said recording of said media data,

canceling said recording of said media data,

generating and displaying a plurality of options for performing an operation associated with said recorded media data, and

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combinations thereof.

Claim 3 (original): The computer implemented method of claim 1, further comprising streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data by said gesture based media recording application.

Claim 4 (original): The computer implemented method of claim 1, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

Claim 5 (original): The computer implemented method of claim 1, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof.

Claim 6 (original): The computer implemented method of claim 1, wherein said gestures comprise a drag and drop gesture, a click gesture, a double click gesture, a click and hold gesture, a tap gesture, a tap and hold gesture, a hold and swipe gesture, a touch gesture, a slide gesture, a glide gesture, a scrolling gesture, and any combination thereof.

Claim 7 (original): The computer implemented method of claim 1, further comprising associating a predefined function from a plurality of predefined functions with each of said defined interface regions on said graphical user interface by said gesture based media recording application.

Claim 8 (original): The computer implemented method of claim 7, further comprising dynamically changing said predefined function associated with one of said defined interface regions to another one of said predefined functions by said gesture based

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media recording application based on one or more of said communication modes and user preferences.

Claim 9 (original): The computer implemented method of claim 1, further comprising configuring predefined functions for one or more of said defined interface regions based on user preferences by said gesture based media recording application.

Claim 10 (original): A computer implemented method for recording audio data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of an electronic device, comprising:

providing a gesture based audio recording application executable by at least one processor configured to manage said graphical user interface of said electronic device and actions associated with said recording of said audio data in said one or more of said communication modes on said electronic device;

defining a plurality of interface regions on said graphical user interface of said electronic device by said gesture based audio recording application;

detecting one of multiple gestures on one of said defined interface regions by said gesture based audio recording application;

performing a first action associated with said recording of said audio data in one of said communication modes by said gesture based audio recording application, on said detection of said one of said gestures on said one of said defined interface regions;

detecting another one of said gestures on one of: said one of said defined interface regions and another one of said defined interface regions, by said gesture based audio recording application; and

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performing a second action, in response to said detection of said another one of said gestures on said one of: said one of said defined interface regions and said another one of said defined interface regions, by said gesture based audio recording application.

Claim 11 (currently amended): The computer implemented method of claim 10, wherein said first action ~~and said second action are at least one~~ is selected from the group consisting of:

triggering said recording of said media data[[;]],

switching from said one of said communication modes to another one of said communication modes for said recording of said media data[[;]],

canceling said recording of said media data~~; and~~,

generating and displaying a plurality of options for performing an operation associated with said recorded media data, and

combinations thereof;

and wherein said second action is selected from the group consisting of:

triggering said recording of said media data,

switching from said one of said communication modes to another one of said communication modes for said recording of said media data,

canceling said recording of said media data,

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generating and displaying a plurality of options for performing an operation associated with said recorded media data, and

combinations thereof.

Claim 12 (original): The computer implemented method of claim 10, further comprising streaming said audio data to a server via a network at one of: (a) continuously while recording said audio data, (b) at predefined time intervals after initiation of said recording of said audio data, and (c) after completion of said recording of said audio data by said gesture based audio recording application.

Claim 13 (original): The computer implemented method of claim 10, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

Claim 14 (original): The computer implemented method of claim 10, further comprising associating a predefined function from a plurality of predefined functions with each of said defined interface regions on said graphical user interface by said gesture based audio recording application.

Claim 15 (original): The computer implemented method of claim 14, further comprising dynamically changing said predefined function associated with one of said defined interface regions to another one of said predefined functions by said gesture based audio recording application based on one or more of said communication modes and user preferences.

Claim 16 (original): The computer implemented method of claim 10, further comprising configuring predefined functions for one or more of said defined interface regions based on user preferences by said gesture based audio recording application.

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Claim 17 (original): A computer implemented method for recording audio data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of an electronic device, comprising:

providing a gesture based audio recording application executable by at least one processor configured to manage said graphical user interface of said electronic device and trigger said recording of said audio data in said one or more of said communication modes on said electronic device;

defining a plurality of interface regions on said graphical user interface of said electronic device by said gesture based audio recording application;

detecting one of multiple gestures on one of said defined interface regions by said gesture based audio recording application;

triggering recording of said audio data in one of said communication modes by said gesture based audio recording application, on detection of said one of said gestures on said one of said defined interface regions;

detecting another one of said gestures on one of: said one of said defined interface regions and another one of said defined interface regions by said gesture based audio recording application; and

performing an action, in response to said detection of said another one of said gestures on said one of: said one of said defined interface regions and said another one of said defined interface regions, by said gesture based audio recording application.

Claim 18 (currently amended): The computer implemented method of claim 17, wherein said action ~~is at least one~~ is selected from the group consisting of:

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switching from said one of said communication modes to another one of said communication modes for recording said audio data in said another one of said communication modes;

canceling said recording of said audio data in one of said communication modes; [[and]]

generating and displaying a plurality of options for performing an operation associated with said recorded audio data; and

combinations thereof.

Claim 19 (original): The computer implemented method of claim 17, wherein said communication modes comprise a press and hold communication mode and a tap to start communication mode.

Claim 20 (original): The computer implemented method of claim 17, further comprising associating a predefined function from a plurality of predefined functions with each of said defined interface regions on said graphical user interface by said gesture based audio recording application.

Claim 21 (original): The computer implemented method of claim 20, further comprising dynamically changing said predefined function associated with one of said defined interface regions to another one of said predefined functions based on one or more of said communication modes and user preferences.

Claim 22 (original): A computer implemented system for recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of an electronic device, said computer implemented system comprising:

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at least one processor configured to execute a gesture based media recording application;

a non-transitory computer readable storage medium communicatively coupled to said at least one processor, said non-transitory computer readable storage medium configured to store said gesture based media recording application;

said gesture based media recording application configured to manage said graphical user interface of said electronic device and actions associated with said recording of said media data in said one or more of said communication modes on said electronic device, said gesture based media recording application comprising:

an interface definition module configured to define a plurality of interface regions on said graphical user interface of said electronic device;

a detection module configured to detect one of multiple gestures on one of said defined interface regions;

an action management module configured to perform a first action associated with said recording of said media data in one of said communication modes, on said detection of said one of said gestures on said one of said defined interface regions;

said detection module further configured to detect another one of said gestures on one of: said one of said defined interface regions and another one of said defined interface regions; and

said action management module configured to perform a second action, in response to said detection of said another one of said gestures on said one of: said one of said defined interface regions and said another one of said defined interface regions.

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Claim 23 (currently amended): The computer implemented system of claim 22, wherein said first action ~~and said second action are at least one~~ is selected from the group consisting of:

triggering said recording of said media data[[;]],

switching from said one of said communication modes to another one of said communication modes for said recording of said media data[[;]],

canceling said recording of said media data, ~~; and~~

generating and displaying a plurality of options for performing an operation associated with said recorded media data, and

combinations thereof;

and wherein said second action is selected from the group consisting of:

triggering said recording of said media data,

switching from said one of said communication modes to another one of said communication modes for said recording of said media data,

canceling said recording of said media data,

generating and displaying a plurality of options for performing an operation associated with said recorded media data, and

combinations thereof.

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Claim 24 (original): The computer implemented system of claim 22, wherein said gesture based media recording application further comprises a media recording module configured to stream said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data.

Claim 25 (original): The computer implemented system of claim 22, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

Claim 26 (original): The computer implemented system of claim 22, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof.

Claim 27 (original): The computer implemented system of claim 22, wherein said interface definition module is further configured to associate a predefined function from a plurality of predefined functions with each of said defined interface regions on said graphical user interface.

Claim 28 (original): The computer implemented system of claim 27, wherein said interface definition module is further configured to dynamically change said predefined function associated with one of said defined interface regions to another one of said predefined functions based on one or more of said communication modes and user preferences.

Claim 29 (original): The computer implemented system of claim 22, wherein said interface definition module is further configured to configure predefined functions for one or more of said defined interface regions based on user preferences.

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Claim 30 (original): A computer implemented system for recording audio data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of an electronic device, said computer implemented system comprising:

at least one processor configured to execute a gesture based audio recording application;

a non-transitory computer readable storage medium communicatively coupled to said at least one processor, said non-transitory computer readable storage medium configured to store said gesture based audio recording application; and

said gesture based audio recording application configured to manage said graphical user interface of said electronic device and actions associated with said recording of said audio data in said one or more of said communication modes on said electronic device, said gesture based audio recording application comprising:

an interface definition module configured to define a plurality of interface regions on said graphical user interface of said electronic device;

a detection module configured to detect one of multiple gestures on one of said defined interface regions;

an action management module configured to perform a first action associated with said recording of said audio data in one of said communication modes, on said detection of said one of said gestures on said one of said defined interface regions;

said detection module further configured to detect another one of said gestures on one of: said one of said defined interface regions and another one of said defined interface regions; and

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said action management module configured to perform a second action, in response to said detection of said another one of said gestures on said one of: said one of said defined interface regions and said another one of said defined interface regions.

Claim 31 (currently amended): The computer implemented system of claim 30, wherein said first action ~~and said second action are at least one~~ is selected from the group consisting of:

triggering said recording of said media data[[;]],

switching from said one of said communication modes to another one of said communication modes for said recording of said media data[[;]],

canceling said recording of said media data, ~~; and~~

generating and displaying a plurality of options for performing an operation associated with said recorded media data, and

combinations thereof;

and wherein said second action is selected from the group consisting of:

triggering said recording of said media data,

switching from said one of said communication modes to another one of said communication modes for said recording of said media data,

canceling said recording of said media data,

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generating and displaying a plurality of options for performing an operation associated with said recorded media data, and

combinations thereof.

Claim 32 (original): The computer implemented system of claim 30, wherein said gesture based audio recording application further comprises a media recording module configured to stream said audio data to a server via a network at one of: (a) continuously while recording said audio data, (b) at predefined time intervals after initiation of said recording of said audio data, and (c) after completion of said recording of said audio data.

Claim 33 (original): The computer implemented system of claim 30, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

Claim 34 (original): A computer program product comprising a non-transitory computer readable storage medium, said non-transitory computer readable storage medium storing computer program codes that comprise instructions executable by at least one processor, said computer program codes comprising:

a first computer program code for defining a plurality of interface regions on a graphical user interface of an electronic device;

a second computer program code for detecting one of multiple gestures on one of said defined interface regions;

a third computer program code for performing a first action associated with recording of media data in one of a plurality of communication modes, on said detection of said one of said gestures on said one of said defined interface regions,

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wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof;

a fourth computer program code for detecting another one of said gestures on one of: said one of said defined interface regions and another one of said defined interface regions; and

a fifth computer program code for performing a second action, in response to said detection of said another one of said gestures on said one of: said one of said defined interface regions and said another one of said defined interface regions.

Claim 35 (currently amended): The computer program product of claim 34, wherein each of said third computer program code and said fifth computer program code comprise ~~at least~~ one or more of:

a sixth computer program code for triggering said recording of said media data;

a seventh computer program code for switching from said one of said communication modes to another one of said communication modes for said recording of said media data;

an eighth computer program code for canceling said recording of said media data; and

a ninth computer program code for generating and displaying a plurality of options for performing an operation associated with said recorded media data.

Claim 36 (original): The computer program product of claim 34, wherein said computer program codes further comprise a tenth computer program code for associating a predefined function from a plurality of predefined functions with each of said defined interface regions on said graphical user interface.

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Claim 37 (original): The computer program product of claim 36, wherein said computer program codes further comprise an eleventh computer program code for dynamically changing said predefined function associated with one of said defined interface regions to another one of said predefined functions based on one or more of said communication modes and user preferences.

Claim 38 (original): The computer program product of claim 34, wherein said computer program codes further comprise a twelfth computer program code for configuring predefined functions for one or more of said defined interface regions based on user preferences.

Claim 39 (original): The computer program product of claim 34, wherein said computer program codes further comprise a thirteenth computer program code for streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data.

Claim 40 (original): The computer program product of claim 34, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 14/051,735	Filing Date 10/11/2013	☐ 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	
☐ 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

		(Column 1)		(Column 2)	(Column 3)		
AMENDMENT	10/31/2014	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 40	Minus	** 40	= 0	X $40 =	0
	Independent (37 CFR 1.16(h))	* 6	Minus	***6	= 0	X $210 =	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
/CAROL BARNES/

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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Electronic Acknowledgement Receipt

EFS ID:	25526687
Application Number:	14051735
International Application Number:	
Confirmation Number:	3926
Title of Invention:	Multi-gesture Media Recording System
First Named Inventor/Applicant Name:	Kieraj Singh Mumick
Correspondence Address:	Ashok Tankha - 36 Greenleigh Drive - Sewell NJ 08080 US 856-266-5145 ash@ipprocure.com
Filer:	Ashok Tankha
Filer Authorized By:	
Attorney Docket Number:	KIRU-14NP-US
Receipt Date:	19-APR-2016
Filing Date:	11-OCT-2013
Time Stamp:	03:50:15
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	Information Disclosure Statement (IDS) Form (SB08)	KIRU-14NP_US_IDS.pdf	612423 d12dde5f1fbf53c26a4c1188b7543c507aa35678	no	4

Warnings:

Information:

A U.S. Patent Number Citation is required in the Information Disclosure Statement (IDS) form. You may remove the form to add the required data in order to correct the Informational Message or if you chose not to, the image of the form will be processed and be made available within the Image File Wrapper (IFW) system. However, no data will be extracted from this form. Any additional data such as Foreign Patent Documents or Non Patent Literature will be manually reviewed and keyed into USPTO systems.

Total Files Size (in bytes):	612423

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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.

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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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	14051735
Filing Date	2013-10-11
First Named Inventor	Kieraj Singh Mumick
Art Unit	2171
Examiner Name	NGUYEN, TUAN S
Attorney Docket Number	KIRU-14NP-US

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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	2					

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Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20080165141	A1	2008-07-10	Greg Christie	abstract, paragraphs [0011]-[0014], [0046]-[0056], [0140]-[0142].
	2	20110261213	A1	2011-10-27	Benjamin A. ROTTLER et al	
	3	20100309148	A1	2010-12-09	Christopher Brian Fleizach et al	

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Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	14051735
	Filing Date	2013-10-11
	First Named Inventor	Kieraj Singh Mumick
	Art Unit	2171
	Examiner Name	NGUYEN, TUAN S
	Attorney Docket Number	KIRU-14NP-US

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	2							

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NON-PATENT LITERATURE DOCUMENTS Remove

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	1		

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Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Examiner Name	NGUYEN, TUAN S
Attorney Docket Number	KIRU-14NP-US

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

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See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/a tankha/	Date (YYYY-MM-DD)	2016-04-19
Name/Print	Ashok Tankha	Registration Number	33802

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1 hour 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 information provided by you in this form will be subject to the following routine uses:

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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.

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Approved for use through 07/31/2012. OMB 0651-0031
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Filing Date	2013-10-11
First Named Inventor	Kieraj Singh Mumick
Art Unit	2171
Examiner Name	NGUYEN, TUAN S
Attorney Docket Number	KIRU-14NP-US

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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	2					

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U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]

EFS Web 2.1.17 ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /T.S.N/

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Attorney Docket Number	KIRU-14NP-US

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	2							

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NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1		

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EXAMINER SIGNATURE

Examiner Signature	/TUAN S NGUYEN/	Date Considered	07/14/2016

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Signature	/a tankha/	Date (YYYY-MM-DD)	2016-04-19
Name/Print	Ashok Tankha	Registration Number	33802

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14051735	MUMICK, KIERAJ SINGH
	Examiner	Art Unit
	TUAN S NGUYEN	2171

CPC- SEARCHED		
Symbol	Date	Examiner
Conduct EAST CPC search on (H04N5/44543 G11B27/34 H04N21/4622) with limited keys.	7/22/2016	TN

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
Conduct EAST inventor name search	7/22/2016	TN
Conduct EAST search	7/22/2016	TN

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
	See interference search attached	7/22/2016	TN

	/TUAN S NGUYEN/ Primary Examiner.Art Unit 2171

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BIB DATA SHEET

CONFIRMATION NO. 3926

SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
14/051,735	10/11/2013	715	2171	KIRU-14NP-US

APPLICANTS

INVENTORS

Kieraj Singh Mumick, Berkeley Heights, NJ;

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

This appln claims benefit of 61/713,635 10/15/2012

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

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

10/28/2013

Foreign Priority claimed ☐ Yes ☑ No 35 USC 119(a-d) conditions met ☐ Yes ☑ No Verified and Acknowledged /TUAN S NGUYEN/ Examiner's Signature	☐ Met after Allowance Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		NJ	13	40	6

ADDRESS

Ashok Tankha
36 Greenleigh Drive
Sewell, NJ 08080

TITLE

Multi-gesture Media Recording System

FILING FEE RECEIVED		
2160	FEES: Authority has been given in Paper 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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/051,735	10/11/2013	Kieraj Singh Mumick	KIRU-14NP-US	3926

7590 07/25/2016

Ashok Tankha
36 Greenleigh Drive
Sewell, NJ 08080

EXAMINER	
NGUYEN, TUAN S	

ART UNIT	PAPER NUMBER
2171	

MAIL DATE	DELIVERY MODE
07/25/2016	PAPER

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.

Office Action Summary	Application No. 14/051,735	Applicant(s) MUMICK, KIERAJ SINGH	
	Examiner TUAN S. NGUYEN	Art Unit 2171	AIA (First Inventor to File) Status Yes

-- 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 *10/11/2013*.

☐ 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) *1-40* 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) *1-40* 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 *10/11/2013* 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 *4/19/2016*.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

4) ☐ Other: _____.

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

Claims 1-40 are pending in this application. Claims 1, 10, 17, 22, 30 and 34 are independent claims. This Office Action is made Non-Final.

Claim Rejections - 35 USC § 102

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 –
>
> (a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.
>
> (a)(2) the claimed invention was described in a patent issued under section 151, or in an application for patent published or deemed published under section 122(b), in which the patent or application, as the case may be, names another inventor and was effectively filed before the effective filing date of the claimed invention.

Claims 1-7, 10-14, 17-20, 22-27, 30-36, 39 and 40 are rejected under 35 U.S.C. 102(a)(1) and 102(a)(2) as being anticipated by Cranfill et al. ("Cranfill", US PG-Pub. 2011/0249074 A1).

Re-claim 1, Cranfill teaches a computer implemented method for recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of an electronic device, comprising:

providing a gesture based media recording application executable by at least one processor configured to manage said graphical user interface of said electronic device and actions associated with said recording of said media data in said one or more of said communication modes on said electronic device (Cranfill, Fig. 12. Cranfill describes the gesture based video conference application that records and streams the video from both conferees);

defining a plurality of interface regions on said graphical user interface of said electronic device by said gesture based media recording application (Cranfill, Fig. 12, [0238-0240]. Cranfill describes the video conference application defining the menu bar area 1155, the menu options 1246, 1275 that can be in many different layout, locations in a dynamic manner);

detecting one of multiple gestures on one of said defined interface regions by said gesture based media recording application (Cranfill, Fig. 12, [0234, 0235]. Cranfill describes the user touching input on the "Accept" button 1275 is detected to start the video conferencing);

performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said one of said gestures on said one of said defined interface regions application (Cranfill, Fig. 12, [0234, 0235]. Cranfill describes the video conference is started at the Fourth stage);

detecting another one of said gestures on one of: said one of said defined interface regions and another one of said defined interface regions, by said gesture based media recording application (Cranfill, Fig. 12, [0238-0240]. Cranfill describes the user touching gesture input applied on one of the menu button of the tool bar area 1155 is detected to perform a particular operation); and

performing a second action, in response to said detection of said another one of said gestures on said one of: said one of said defined interface regions and said another one of said defined interface regions, by said gesture based media recording application (Cranfill, Fig. 12, [0238-0240]. Cranfill describes an operation function provided by tool bar area 1155 is executed following the detected gesture, for example, “end conference” action with gesture on button 1287).

Re-claim 2, in addition to what Cranfill teaches in claim 1, Cranfill also teaches the method,

wherein said first action is selected from the group consisting of: triggering said recording of said media data, switching from said one of said communication modes to another one of said communication modes for said recording of said media data,

canceling said recording of said media data, generating and displaying a plurality of options for performing an operation associated with said recorded media data, and combinations thereof (Cranfill, Fig. 12, [0234, 0235]. Cranfill describes the first action is triggering the beginning of the video conference recording); and

wherein said second action is selected from the group consisting of: triggering said recording of said media data, switching from said one of said communication modes to another one of said communication modes for said recording of said media data, canceling said recording of said media data, generating and displaying a plurality of options for performing an operation associated with said recorded media data, and combinations thereof (Cranfill, Fig. 12, [0238-0240]. Cranfill describes the second action is "end conference" action with gesture on button 1287).

Re-claim 3, in addition to what Cranfill teaches in claim 1, Cranfill also teaches the method, further comprising streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data by said gesture based media recording application (Cranfill, Figs. 10, 12. Cranfill describes the video data of the conference are streaming to a server 1015 via a network continuously while recording).

Re-claim 4, in addition to what Cranfill teaches in claim 1, Cranfill also teaches the method, wherein said communication modes comprise a push to talk

communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode (Cranfill, Fig.12. Cranfill describes the tap to start the Video conference on "Accept" button 1275, tap to end on "End Conference" button 1287).

Re-claim 5, in addition to what Cranfill teaches in claim 1, Cranfill also teaches the method, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof (Cranfill, Fig. 12. Cranfill describes the media data is audio data and video data).

Re-claim 6, in addition to what Cranfill teaches in claim 1, Cranfill also teaches the method, wherein said gestures comprise a drag and drop gesture, a click gesture, a double click gesture, a click and hold gesture, a tap gesture, a tap and hold gesture, a hold and swipe gesture, a touch gesture, a slide gesture, a glide gesture, a scrolling gesture, and any combination thereof (Cranfill, Fig. 12. Cranfill describes the gesture is a touch gesture or a tap gesture).

Re-claim 7, in addition to what Cranfill teaches in claim 1, Cranfill also teaches the method, further comprising associating a predefined function from a plurality of predefined functions with each of said defined interface regions on said graphical user interface by said gesture based media recording application (Cranfill, Fig. 12, [0239]. Cranfill describes the video conference application associates any different functions to

any number of different selectable UI items in any different layout for the display area toolbar 1155).

Re-claim 10, it is a method claim having similar limitation in scope of claim 1; therefore, it is rejected under similar rationale.

Re-claim 11, in addition to what Cranfill teaches in claim 10, claim 11 is the method claim having similar limitation in scope of claim 2; therefore, it is rejected under similar rationale.

Re-claim 12, in addition to what Cranfill teaches in claim 10, claim 12 is the method claim having similar limitation in scope of claim 3; therefore, it is rejected under similar rationale.

Re-claim 13, in addition to what Cranfill teaches in claim 10, claim 13 is the method claim having similar limitation in scope of claim 4; therefore, it is rejected under similar rationale.

Re-claim 14, in addition to what Cranfill teaches in claim 10, claim 14 is the method claim having similar limitation in scope of claim 7; therefore, it is rejected under similar rationale.

Re-claim 17, it is a method claim having similar limitation in scope of claim 10; therefore, it is rejected under similar rationale.

Re-claim 18, in addition to what Cranfill teaches in claim 17, claim 18 is the method claim having similar limitation in scope of claim 11; therefore, it is rejected under similar rationale.

Re-claim 19, in addition to what Cranfill teaches in claim 17, claim 19 is the method claim having similar limitation in scope of claim 13; therefore, it is rejected under similar rationale.

Re-claim 20, in addition to what Cranfill teaches in claim 17, claim 20 is the method claim having similar limitation in scope of claim 14; therefore, it is rejected under similar rationale.

Re-claim 22, Cranfill teaches a computer implemented system for recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of an electronic device, said computer implemented system comprising:

at least one processor configured to execute a gesture based media recording application (Cranfill, Fig. 89. Cranfill describes the processor 8905);

a non-transitory computer readable storage medium communicatively coupled to said at least one processor, said non-transitory computer readable storage medium configured to store said gesture based media recording application (Cranfill, Fig. 89. Cranfill describes the memory 8970); and

other gesture based media recording application's modules performing similar functional limitations in scope of claim 1; therefore, it is rejected under similar rationale.

Re-claim 23, in addition to what Cranfill teaches in claim 22, claim 23 is the system claim having similar limitation in scope of claim 2; therefore, it is rejected under similar rationale.

Re-claim 24, in addition to what Cranfill teaches in claim 22, claim 24 is the system claim having similar limitation in scope of claim 3; therefore, it is rejected under similar rationale.

Re-claim 25, in addition to what Cranfill teaches in claim 22, claim 25 is the system claim having similar limitation in scope of claim 4; therefore, it is rejected under similar rationale.

Re-claim 26, in addition to what Cranfill teaches in claim 22, claim 26 is the system claim having similar limitation in scope of claim 5; therefore, it is rejected under similar rationale.

Re-claim 27, in addition to what Cranfill teaches in claim 22, claim 27 is the system claim having similar limitation in scope of claim 7; therefore, it is rejected under similar rationale.

Re-claim 30, it is the system claim having similar limitation in scope of claim 22; therefore, it is rejected under similar rationale.

Re-claim 31, in addition to what Cranfill teaches in claim 30, claim 31 is the system claim having similar limitation in scope of claim 23; therefore, it is rejected under similar rationale.

Re-claim 32, in addition to what Cranfill teaches in claim 30, claim 32 is the system claim having similar limitation in scope of claim 24; therefore, it is rejected under similar rationale.

Re-claim 33, in addition to what Cranfill teaches in claim 30, claim 33 is the system claim having similar limitation in scope of claim 25; therefore, it is rejected under similar rationale.

Re-claim 34, it is the computer program product claim having similar limitation in scope of claims 1 and 5; therefore, it is rejected under similar rationale.

Re-claim 35, in addition to what Cranfill teaches in claim 34, claim 35 is the computer program product claim having similar limitation in scope of claim 2; therefore, it is rejected under similar rationale.

Re-claim 36, in addition to what Cranfill teaches in claim 34, claim 36 is the computer program product claim having similar limitation in scope of claim 7; therefore, it is rejected under similar rationale.

Re-claim 39, in addition to what Cranfill teaches in claim 34, claim 39 is the computer program product claim having similar limitation in scope of claim 3; therefore, it is rejected under similar rationale.

Re-claim 40, in addition to what Cranfill teaches in claim 34, claim 40 is the computer program product claim having similar limitation in scope of claim 4; therefore, it is rejected under similar rationale.

Claim Rejections - 35 USC § 103

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

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102 of this title, if the differences

between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 8, 15, 21, 28 and 37 are rejected under 35 U.S.C. 103 as being unpatentable over Cranfill in view of Ford (US PG-Pub. 2004/0036632 A1).

Re-claim 8, Cranfill teaches the method in claim 7, but Cranfill fails to teach a method, further comprising dynamically changing said predefined function associated with one of said defined interface regions to another one of said predefined functions by an application based on one or more of application modes and user preferences. However, Ford teaches a method, further comprising dynamically changing said predefined function associated with one of said defined interface regions to another one of said predefined functions by an application based on one or more of application modes and user preferences (Ford, [0025, 0033, 0057]. Ford describes the concept of dynamically changing the character and function keys based on different application modes selected and controlled by user preferences).

Therefore, it would have been obvious to one having the ordinary skill in the art before the effective filing date of the claimed invention to modify the teachings of Cranfill with the above teachings of Ford in order to manipulate and control the application flexibly.

Re-claim 15, in addition to what Cranfill teaches in claim 14, claim 15 is the method claim having similar limitation in scope of claim 8; therefore, it is rejected under similar rationale.

Re-claim 21, in addition to what Cranfill teaches in claim 20, claim 21 is the method claim having similar limitation in scope of claim 15; therefore, it is rejected under similar rationale.

Re-claim 28, in addition to what Cranfill teaches in claim 27, claim 28 is the system claim having similar limitation in scope of claim 8; therefore, it is rejected under similar rationale.

Re-claim 37, in addition to what Cranfill teaches in claim 36, claim 37 is the computer program product claim having similar limitation in scope of claim 8; therefore, it is rejected under similar rationale.

Claims 9, 16, 29 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cranfill in view of Huang et al. ("Huang", US PG-Pub. 2007/0296552 A1).

Re-claim 9, Cranfill teaches the method in claim 1, but Cranfill fails to teach a method, further comprising configuring predefined functions for one or more of said defined interface regions based on user preferences by said gesture based media recording application. However, Huang teaches a method, further comprising configuring predefined functions for one or more of said defined interface regions based on user preferences by said gesture based media recording application (Huang, [0095].

Huang describes user can assign functions to the blank keys/iconic location on universal remote control by drag and drop action).

Therefore, it would have been obvious to one having the ordinary skill in the art before the effective filing date of the claimed invention to modify the teachings of Cranfill with the above teachings of Huang in order to customize the UI menu item as user desire.

Re-claim 16, in addition to what Cranfill teaches in claim 10, claim 16 is the method claim having similar limitation in scope of claim 9; therefore, it is rejected under similar rationale.

Re-claim 29, in addition to what Cranfill teaches in claim 22, claim 29 is the system claim having similar limitation in scope of claim 9; therefore, it is rejected under similar rationale.

Re-claim 38, in addition to what Cranfill teaches in claim 34, claim 38 is the computer program product claim having similar limitation in scope of claim 9; therefore, it is rejected under similar rationale.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TUAN S. NGUYEN whose telephone number is (571)270-7612. The examiner can normally be reached on Monday through Friday, 8:00AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, KIM M. MATT can be reached on 571-272-4182. 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.

/TUAN S NGUYEN/

Primary Examiner, Art Unit 2171

Notice of References Cited	Application/Control No. 14/051,735	Applicant(s)/Patent Under Reexamination MUMICK, KIERAJ SINGH	
	Examiner TUAN S. NGUYEN	Art Unit 2171	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2011/0249074 A1	10-2011	Cranfill; Elizabeth C.	H04N7/147	348/14.02
*	B	US-2004/0036632 A1	02-2004	Ford, Richard L.	G06F3/0238	341/22
*	C	US-2007/0296552 A1	12-2007	Huang; Steve LanPing	G08C17/02	340/10.5
	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	CPC 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
	14051735	MUMICK, KIERAJ SINGH
	Examiner	Art Unit
	TUAN S NGUYEN	2171

✓	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	07/22/2016								
	1	✓								
	2	✓								
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	33	✓								
	34	✓								
	35	✓								
	36	✓								

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14051735	MUMICK, KIERAJ SINGH
	Examiner	Art Unit
	TUAN S NGUYEN	2171

✓	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	07/22/2016								
	37	✓								
	38	✓								
	39	✓								
	40	✓								

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$ or US-20040225502-$ or US-20120036434-$ or US-20070237515-$ or US-20040036632-$).did. or (US-6763226-$ or US-8502856-$ or US-6486914-$).did.	US-PGPUB; USPAT	OR	ON	2016/07/22 07:23
L3	25	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$ or US-20040225502-$ or US-20120036434-$ or US-20070237515-$ or US-20040036632-$ or US-20070296552-$).did. or (US-6763226-$ or US-8502856-$ or US-6486914-$).did.	US-PGPUB; USPAT	OR	ON	2016/07/22 07:25
S2	3	("20080165141" "20110261213" "20100309148").pn.	US-PGPUB; USPAT	OR	ON	2016/05/19 16:17
S3	4	Mumick-Kieraj-Singh.in.	US-PGPUB; USPAT	OR	ON	2016/05/19 16:18
S4	1	14/051735.app.	US-PGPUB; USPAT	OR	ON	2016/06/21 11:59
S5	4	Mumick-Kieraj-Singh.in.	US-PGPUB; USPAT	OR	ON	2016/06/21 12:03
S6	1	S5 and (communication near mode with gesture and recording).clm.	US-PGPUB; USPAT	OR	ON	2016/06/21 12:03
S7	4	Mumick-Kieraj-Singh.in.	US-PGPUB; USPAT	OR	ON	2016/06/21 14:23
S8	1	S7 and (defin$4 with region).clm.	US-PGPUB; USPAT	OR	ON	2016/06/21 14:23
S9	1	S7 and (associat$4 near function with region).clm.	US-PGPUB; USPAT	OR	ON	2016/06/21 14:24

S10	23784	(H04N5/44543 G11B27/34 H04N21/4622).cpc.	US-PGPUB; USPAT	OR	ON	2016/06/21 14:55
S11	864	S10 and ((media audio video) with record$4 with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/21 14:56
S12	699	S11 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/21 14:57
S13	0	"L6" and (communication near mode with (tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 12:26
S14	4	"L6" and (communication with (tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 12:27
S15	23784	(H04N5/44543 G11B27/34 H04N21/4622).cpc.	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S16	864	S15 and ((media audio video) with record$4 with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S17	699	S16 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S18	0	S17 and (communication with (tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S19	93	S17 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S20	100	S17 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 13:26
S21	0	S20 and (communication near mode)	US-PGPUB; USPAT	OR	ON	2016/06/22 13:27
S22	3	("20080165141" "20110261213" "20100309148").pn.	US-PGPUB; USPAT	OR	ON	2016/06/22 13:31
S23	23784	(H04N5/44543 G11B27/34 H04N21/4622).cpc.	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S24	864	S23 and ((media audio video) with record$4 with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S25	699	S24 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S26	100	S25 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S27	13	S26 and ((switch$4 select$4 gesture slid$4) with (tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S28	0	S25 and ((switch$4 select$4 gesture slid$4) with (tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:16
S29	9	S25 and ((tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:17
S30	77557	((media audio video) with record$4 with application)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:25
S31	568	S30 and ((switch$4 select$4 gesture slid$4) with (tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:26

S32	464	S31 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/22 15:27
S33	267	S32 and ((cancel$4 terminat$4 end$4 trigger$4 activat$4 execut$4) with record$4)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:30
S34	130	S33 and ((chang$4 updat$4) with (option menu selection button))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:31
S35	43	S33 and ((chang$4 updat$4) with (option menu selection button) with (state stage))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:38
S36	4	S35 and ((display$4 present$4) with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:39
S37	4116	((media audio video) with record$4 with (application app) with mobile)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:44
S38	1038	S37 and ((display$4 present$4) with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:44
S39	519	S38 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/22 15:44
S40	0	S39 and ((chang$4 updat$4 present$4) with (option menu selection button) with (operat$4 near record$4))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:46
S41	9	S39 and ((chang$4 updat$4 present$4) with (option menu selection button) with operat$4 with (application app))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:47
S42	3	("20080165141" | "20110261213" | "20100309148").PN.	US-PGPUB; USPAT	OR	ON	2016/07/14 14:12
S43	4178	((media audio video) with record$4 with (application app) with mobile)	US-PGPUB; USPAT	OR	ON	2016/07/14 14:54
S44	1925	S43 and (microphone)	US-PGPUB; USPAT	OR	ON	2016/07/14 14:54
S45	26	S44 and ((tap near (start talk end) push near talk (release hold) near (record stop cancel)))	US-PGPUB; USPAT	OR	ON	2016/07/14 15:02
S46	127	((media video audio) with (record$4) near (application software app) with (menu option))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:26
S47	255	((media video audio) with (record$4) near (application software app) with (menu option button icon))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:28
S48	184	S47 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/18 12:28
S49	11	S48 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:30
S50	53390	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:38
S51	573	S50 and ((tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:39
S52	379	S51 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/18 12:39
S53	18	S52 and ((PTT HTR RTS RTR TTS) with (gesture slid$4 switch$4))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:40
S54	1303	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon) with gesture)	US-PGPUB; USPAT	OR	ON	2016/07/18 13:55

S55	7526	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon) with (gesture switch$4 slid$4))	US-PGPUB; USPAT	OR	ON	2016/07/18 13:55
S56	5242	S55 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/18 13:56
S57	41	S56 and ((tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/07/18 13:57
S58	4	S57 and ((PTT HTR RTS RTR TTS) with (gesture slid$4 switch$4))	US-PGPUB; USPAT	OR	ON	2016/07/18 13:58
S59	7526	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon) with (gesture switch$4 slid$4))	US-PGPUB; USPAT	OR	ON	2016/07/18 16:49
S60	5242	S59 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/18 16:49
S61	11	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$).did.	US-PGPUB	OR	ON	2016/07/20 15:01
S62	7533	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon) with (gesture switch$4 slid$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:02
S63	5242	S62 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/20 15:02
S64	5046	S63 and ((switch$4 gestur$4 slid$4) with (menu button option mode) with (communication camera capture record$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:02
S65	1277	S63 and ((gesture touch$6 tap$4) with (switch$4 slid$4 chang$4) with (menu button option mode) with (communication camera capture record$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:28
S66	412	S65 and ((media video audio voice) with (record$4) with (microphone camera))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:30
S67	79	S65 and ((media video audio voice) with (record$4) with (microphone camera) with (interface GUI))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:35
S68	1	S67 and (communication near mode)	US-PGPUB; USPAT	OR	ON	2016/07/20 15:47
S69	30	S67 and ((select$4 tap$4) with (camera microphone) with record$4)	US-PGPUB; USPAT	OR	ON	2016/07/20 16:01
S70	0	"Apple.as" and ((camera microphone) with mode)	US-PGPUB; USPAT	OR	ON	2016/07/20 16:10
S71	6804	((camera microphone) with (menu selection near mode record$4 option) with touch$7)	US-PGPUB; USPAT	OR	ON	2016/07/20 16:11
S72	4463	S71 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/20 16:13
S73	114	S72 and ((select$4 tap$4 switch$4)	US-PGPUB;	OR	ON	2016/07/20

		with (camera microphone) with mode with (start stop chang$4 save cancel))	USPAT			16:31
S74	7	S73 and ((camera microphone) near (interface UI "user interface" GUI))	US-PGPUB; USPAT	OR	ON	2016/07/20 16:33
S75	1821	(touch$7 with (camera microphone) near (interface UI "user interface" GUI))	US-PGPUB; USPAT	OR	ON	2016/07/20 16:50
S76	954	S75 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/20 16:51
S77	10	S76 and ((select$4 tap$4 switch$4) with (camera microphone) with mode with (start stop chang$4 save cancel hold pause re?record$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 16:51
S78	0	"Apple.as" and (touch$7 with (camera microphone) near (interface UI "user interface" GUI))	US-PGPUB; USPAT	OR	ON	2016/07/20 17:07
S79	0	"Apple.as" and ((camera microphone) near (interface UI "user interface" GUI) with icon)	US-PGPUB; USPAT	OR	ON	2016/07/20 17:08
S80	25	Apple.as. and ((camera microphone) near (interface UI "user interface" GUI) with icon)	US-PGPUB; USPAT	OR	ON	2016/07/20 17:41
S81	13	S80 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/20 17:42
S82	23	S80 and (@ad<"20121015" @rlad<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/20 17:45
S83	0	S82 and ((select$4 tap$4 switch$4) with (camera microphone) with mode with (start stop chang$4 save cancel))	US-PGPUB; USPAT	OR	ON	2016/07/20 17:47
S84	41	Apple.as. and ((select$4 tap$4 switch$4) with (camera microphone) with mode with (start stop chang$4 save cancel hold pause re?record$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 17:48
S85	39	S84 and (@ad<"20121015" @rlad<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/20 17:50
S86	27	S84 and (@ad<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/20 18:45
S87	1	"20110249075".pn.	US-PGPUB; USPAT	OR	ON	2016/07/20 19:30
S88	1	"20110249074".pn.	US-PGPUB; USPAT	OR	ON	2016/07/20 19:30
S89	19	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$).did. or (US-6763226-$ or US-8502856-$).did.	US-PGPUB; USPAT	OR	ON	2016/07/21 10:12
S90	12	(camera near (menu option) with (video photo pano square slo?mo)) and Apple.as.	US-PGPUB; USPAT	OR	ON	2016/07/21 14:51

S91	7	S90 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/21 14:52
S92	7	S90 and (@ad<"20121015" @rlpd<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/21 14:54
S93	40945	((audio voice) with (microphone record$4 memo) with message)	US-PGPUB; USPAT	OR	ON	2016/07/21 16:29
S94	6472	((audio voice) with (record$4 conference IM) with (user near interface UI GUI))	US-PGPUB; USPAT	OR	ON	2016/07/21 16:31
S95	4984	S94 and (@ad<"20121015" @rlpd<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/21 16:31
S96	19	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$).did. or (US-6763226-$ or US-8502856-$).did.	US-PGPUB; USPAT	OR	ON	2016/07/21 16:40
S97	8	S96 and (user near (preference specif$4))	US-PGPUB; USPAT	OR	ON	2016/07/21 16:40
S98	4	Mumick-Kieraj-Singh.in.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:34
S99	2	("20040225502" "20110075818").pn.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:41
S100	1	S98 and (gesture with (media audio voice video) with (record$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:46
S101	1	S98 and (gesture and (media audio voice video) with (record$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:47
S102	129628	((media audio voice video) with (record$4 captur$4 camera microphone) with (application app))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:19
S103	11771	((media audio voice video) with (record$4 captur$4 camera microphone) with (application app) with (user near interface GUI UI interface))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:20
S104	427	S103 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:21
S105	7	S103 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS) with (gesture touch$7))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:22
S106	5	S105 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/21 22:22
S107	229	S103 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS) and (gesture touch$7))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:35
S108	19	S103 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS) same (gesture touch$7))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:35

S109	7	S108 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/21 22:36
S110	176	((menu function) with dynamically near chang$4 with (mode user near references))	US-PGPUB; USPAT	OR	ON	2016/07/22 00:35
S111	121	S110 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 00:36
S112	2	((menu function) with dynamically near chang$4 with (communication near mode user near references))	US-PGPUB; USPAT	OR	ON	2016/07/22 00:37
S113	0	S112 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 00:37
S114	6	S111 and ((media audio voice video) with (record$4 captur$4 camera microphone) with (application app))	US-PGPUB; USPAT	OR	ON	2016/07/22 00:39
S115	352	((menu function) with dynamically near chang$4 with (communication near mode user near references application))	US-PGPUB; USPAT	OR	ON	2016/07/22 01:49
S116	0	((menu function) with dynamically near chang$4 with (communication near mode user near references application) with "same" near (key icon button))	US-PGPUB; USPAT	OR	ON	2016/07/22 01:58
S117	2	((menu function) with dynamically near chang$4 with (communication near mode user near references application) with "same" with (key icon button))	US-PGPUB; USPAT	OR	ON	2016/07/22 01:59
S118	1	14/051735.app.	US-PGPUB; USPAT	OR	ON	2016/07/22 02:43
S119	1	S118 and (user near preference)	US-PGPUB; USPAT	OR	ON	2016/07/22 02:43
S130	13	(assign$4 with (pre?defined near function) with (key menu))	US-PGPUB; USPAT	OR	ON	2016/07/22 04:18
S131	12	S130 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:18
S132	11	((assign$4 delegat$4) with (pre?defined near function) with (blank empty) near (key menu near space))	US-PGPUB; USPAT	OR	ON	2016/07/22 04:27
S133	10	S132 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:27
S134	11	((assign$4 delegat$4 drag$4) with (pre?defined near function) with (blank empty) near (key menu near space))	US-PGPUB; USPAT	OR	ON	2016/07/22 04:29
S135	10	S134 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:29
S136	11	((assign$4 delegat$4 drag$4) with (pre?defined near (function menu)) with (blank empty) near (key space slot))	US-PGPUB; USPAT	OR	ON	2016/07/22 04:31
S137	75	((assign$4 delegat$4 drag$4) with (function) with (blank empty) near (key space slot))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/07/22 04:32

S138	61	S137 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:33
S139	27	S138 and (universal near remote)	US-PGPUB; USPAT	OR	ON	2016/07/22 04:37
S140	15	((assign$4 delegat$4 drag$4) with (function) with (blank empty) near (key space slot)) same (universal near remote)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/07/22 04:38
S141	13	S140 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:39
S142	1	14/051735.app.	US-PGPUB; USPAT	OR	ON	2016/07/22 06:14
S143	1	S142 and (non?transitory with medium)	US-PGPUB; USPAT	OR	ON	2016/07/22 06:14

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	"Term Removed"	US-PGPUB	OR	ON	2016/07/22 07:23
L4	1	"Term Removed"	US-PGPUB	OR	ON	2016/07/22 07:25
S120	1045	(gesture and (media audio voice video) with (record$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:47
S121	295	(gesture with (media audio voice video) with (record$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:47
S122	3	S121 and (communication near mode).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:48
S123	3	S121 and ((tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/07/21 21:50
S124	1	S121 and ((tap near (start talk end) push near talk release near (record stop))).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:50
S125	64	(gesture and (media audio voice video) with (record$4) with (user near interface UI GUI)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:53
S126	1	S125 and ((tap near (start talk end) push near talk release near (record stop))).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:53
S127	1	S125 and (communication near mode).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:54
S128	64	S125 and ((media audio voice video) with (record$4 captur$4 camera microphone) with (application app user near interface UI GUI)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:55
S129	17	S125 and ((media audio voice video) with (record$4 captur$4 camera microphone) with (application app)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:56

7/ 22/ 2016 7:35:50 AM
C:\ Users\ tnguyen14\ Documents\ EAST\ Workspaces\ search_14051735.wsp

Electronic Patent Application Fee Transmittal

Application Number:	14051735
Filing Date:	11-Oct-2013
Title of Invention:	Multi-gesture Media Recording System
First Named Inventor/Applicant Name:	Kieraj Singh Mumick
Filer:	Ashok Tankha
Attorney Docket Number:	KIRU-14NP-US

Filed as Small 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 - 2 months with $0 paid	2252	1	300	300
Miscellaneous:				
			Total in USD ($)	**300**

Electronic Acknowledgement Receipt

EFS ID:	27672834
Application Number:	14051735
International Application Number:	
Confirmation Number:	3926
Title of Invention:	Multi-gesture Media Recording System
First Named Inventor/Applicant Name:	Kieraj Singh Mumick
Correspondence Address:	Ashok Tankha - 36 Greenleigh Drive - Sewell NJ 08080 US 856-266-5145 ash@ipprocure.com
Filer:	Ashok Tankha
Filer Authorized By:	
Attorney Docket Number:	KIRU-14NP-US
Receipt Date:	02-DEC-2016
Filing Date:	11-OCT-2013
Time Stamp:	05:49:57
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$300

RAM confirmation Number	120216INTEFSW05523400
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	Transmittal Letter	KIRU-14NP-US_Transmittal_Letter.pdf	19641 323bdb7c6ba4464ac0d29a5e65cb300e63c30d26	no	1
Warnings:					
Information:					
2	Amendment/Req. Reconsideration-After Non-Final Reject	KIRU-14NP-US_Response.pdf	91527 872d269f4c9549bcc9829fc45ad564f875821ce5	no	31
Warnings:					
Information:					
3	Extension of Time	KIRU-14NP-US_aia0022-1.pdf	115073 7abb3e41d1ab4d0c3dbe39c6f5b3ce21dc2b087a	no	2
Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	30090 1e4dc7390ba946e08ba7e4f8f51532578cbe3567	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	256331		

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.

Amendments to claims

Claim 1 (currently amended): A computer implemented method for recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of [[an]]a mobile electronic device, comprising:

providing a gesture based media recording application, said gesture based media recording application, when executed by a ~~executable by at least one~~ processor, managing ~~configured to manage~~ said graphical user interface of said mobile electronic device and actions associated with said recording of said media data in said one or more of said communication modes on said mobile electronic device;

defining a plurality of interface regions on said graphical user interface of said mobile electronic device by said gesture based media recording application, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said gesture based media recording application;

detecting a first gesture from among ~~one of~~ multiple gestures on one of said defined interface regions by said gesture based media recording application;

performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said first gesture ~~one of said gestures~~ on said one of said defined interface regions;

dynamically changing, by said gesture based media recording application, one or more of said predefined functions associated with one or more of said defined interface regions adjacent to said one of said defined interface regions based on said detected first gesture on said one of said defined interface regions;

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detecting a second gesture from among said multiple gestures ~~another one of said gestures~~ on one of: said one of said defined interface regions and another one of said defined interface regions, by said gesture based media recording application; and

performing a second action, in response to said detection of said second gesture ~~another one of said gestures~~ on said one of: said one of said defined interface regions and said another one of said defined interface regions, by said gesture based media recording application.

Claim 2 (previously presented): The computer implemented method of claim 1, wherein said first action and said second action are at least one of:

triggering said recording of said media data;

switching from said one of said communication modes to another one of said communication modes for said recording of said media data;

canceling said recording of said media data; and

generating and displaying a plurality of options for performing an operation associated with said recorded media data.

Claim 3 (previously presented): The computer implemented method of claim 1, further comprising streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data by said gesture based media recording application.

Claim 4 (previously presented): The computer implemented method of claim 1, wherein said communication modes comprise a push to talk communication mode, a tap to start

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communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

Claim 5 (previously presented): The computer implemented method of claim 1, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof.

Claim 6 (previously presented): The computer implemented method of claim 1, wherein said gestures comprise a drag and drop gesture, a click gesture, a double click gesture, a click and hold gesture, a tap gesture, a tap and hold gesture, a hold and swipe gesture, a touch gesture, a slide gesture, a glide gesture, a scrolling gesture, and any combination thereof.

Claim 7 (canceled).

Claim 8 (currently amended): The computer implemented method of claim [[7]] 1, further comprising dynamically changing said predefined function associated with said one of said defined interface regions to another one of said predefined functions by said gesture based media recording application based on one or more of said communication modes and user preferences.

Claim 9 (currently amended): The computer implemented method of claim 1, further comprising configuring said predefined functions for said one or more of said defined interface regions based on user preferences by said gesture based media recording application.

Claim 10 (currently amended): A computer implemented method for recording audio data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of [[an]]a mobile electronic device, comprising:

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providing a gesture based audio recording application, said gesture based audio recording application, when executed by a ~~executable by at least one~~ processor, managing ~~configured to manage~~ said graphical user interface of said mobile electronic device and actions associated with said recording of said audio data in said one or more of said communication modes on said mobile electronic device;

defining a plurality of interface regions on said graphical user interface of said mobile electronic device by said gesture based audio recording application, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said gesture based audio recording application;

detecting a first gesture from among ~~one of~~ multiple gestures on one of said defined interface regions by said gesture based audio recording application;

performing a first action associated with said recording of said audio data in one of said communication modes by said gesture based audio recording application, on said detection of said first gesture ~~one of said gestures~~ on said one of said defined interface regions;

dynamically changing, by said gesture based audio recording application, one or more of said predefined functions associated with one or more of said defined interface regions adjacent to said one of said defined interface regions based on said detected first gesture on said one of said defined interface regions;

detecting a second gesture from among said multiple gestures ~~another one of said gestures~~ on one of: said one of said defined interface regions and another one of said defined interface regions, by said gesture based audio recording application; and

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performing a second action, in response to said detection of said second gesture ~~another one of said gestures~~ on said one of: said one of said defined interface regions and said another one of said defined interface regions, by said gesture based audio recording application.

Claim 11 (previously presented): The computer implemented method of claim 10, wherein said first action and said second action are at least one of:

triggering said recording of said audio data;

switching from said one of said communication modes to another one of said communication modes for said recording of said audio data;

canceling said recording of said audio data; and

generating and displaying a plurality of options for performing an operation associated with said recorded audio data.

Claim 12 (previously presented): The computer implemented method of claim 10, further comprising streaming said audio data to a server via a network at one of: (a) continuously while recording said audio data, (b) at predefined time intervals after initiation of said recording of said audio data, and (c) after completion of said recording of said audio data by said gesture based audio recording application.

Claim 13 (previously presented): The computer implemented method of claim 10, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

Claim 14 (canceled).

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Claim 15 (currently amended): The computer implemented method of claim [[14]]10, further comprising dynamically changing said predefined function associated with said one of said defined interface regions to another one of said predefined functions by said gesture based audio recording application based on one or more of said communication modes and user preferences.

Claim 16 (currently amended): The computer implemented method of claim 10, further comprising configuring said predefined functions for said one or more of said defined interface regions based on user preferences by said gesture based audio recording application.

Claim 17 (currently amended): A computer implemented method for recording audio data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of [[an]]a mobile electronic device, comprising:

providing a gesture based audio recording application, said gesture audio recording application, when executed by a ~~executable by at least one~~ processor, managing ~~configured to manage~~ said graphical user interface of said mobile electronic device and trigger said recording of said audio data in said one or more of said communication modes on said mobile electronic device;

defining a plurality of interface regions on said graphical user interface of said mobile electronic device by said gesture based audio recording application, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said gesture based audio recording application;

detecting a first gesture from among ~~one of~~ multiple gestures on one of said defined interface regions by said gesture based audio recording application;

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triggering recording of said audio data in one of said communication modes by said gesture based audio recording application, on said detection of said first gesture ~~one of said gestures~~ on said one of said defined interface regions;

dynamically changing, by said gesture based audio recording application, one or more of said predefined functions associated with one or more of said defined interface regions adjacent to said one of said defined interface regions based on said detected first gesture on said one of said defined interface regions;

detecting a second gesture from among said multiple gestures ~~another one of said gestures~~ on one of: said one of said defined interface regions and another one of said defined interface regions by said gesture based audio recording application; and

performing an action, in response to said detection of said second gesture ~~another one of said gestures~~ on said one of: said one of said defined interface regions and said another one of said defined interface regions, by said gesture based audio recording application.

Claim 18 (previously presented): The computer implemented method of claim 17, wherein said action is at least one of:

switching from said one of said communication modes to another one of said communication modes for recording said audio data in said another one of said communication modes;

canceling said recording of said audio data in one of said communication modes; and

generating and displaying a plurality of options for performing an operation associated with said recorded audio data.

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Claim 19 (previously presented): The computer implemented method of claim 17, wherein said communication modes comprise a press and hold communication mode and a tap to start communication mode.

Claim 20 (canceled).

Claim 21 (currently amended): The computer implemented method of claim [[20]]17, further comprising dynamically changing said predefined function associated with said one of said defined interface regions to another one of said predefined functions by said gesture based audio recording application based on one or more of said communication modes and user preferences.

Claim 22 (currently amended): A computer implemented system for recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of [[an]]a mobile electronic device, said computer implemented system comprising:

at least one processor ~~configured to execute a gesture based media recording application~~;

a non-transitory computer readable storage medium communicatively coupled to said at least one processor, said non-transitory computer readable storage medium configured to store said gesture based media recording application;

[[said]] a gesture based media recording application that when executed by a processor, managing ~~configured to manage~~ said graphical user interface of said mobile electronic device and actions associated with said recording of said media data in said one or more of said communication modes on said mobile electronic device, said gesture based media recording application comprising:

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an interface definition module configured to define a plurality of interface regions on said graphical user interface of said mobile electronic device, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said interface definition module;

a detection module configured to detect a first gesture from among ~~one of~~ multiple gestures on one of said defined interface regions;

an action management module configured to perform a first action associated with said recording of said media data in one of said communication modes, on said detection of said first gesture ~~one of said gestures~~ on said one of said defined interface regions;

said interface definition module configured to dynamically change one or more of said predefined functions associated with one or more of said defined interface regions adjacent to said one of said defined interface regions based on said detected first gesture on said one of said defined interface regions;

said detection module further configured to detect a second gesture from among said multiple gestures ~~another one of said gestures~~ on one of: said one of said defined interface regions and another one of said defined interface regions; and

said action management module configured to perform a second action, in response to said detection of said second gesture ~~another one of said gestures~~ on said one of: said one of said defined interface regions and said another one of said defined interface regions.

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Claim 23 (previously presented): The computer implemented system of claim 22, wherein said first action and said second action are at least one of:

triggering said recording of said media data;

switching from said one of said communication modes to another one of said communication modes for said recording of said media data;

canceling said recording of said media data; and

generating and displaying a plurality of options for performing an operation associated with said recorded media data.

Claim 24 (previously presented): The computer implemented system of claim 22, wherein said gesture based media recording application further comprises a media recording module configured to stream said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data.

Claim 25 (previously presented): The computer implemented system of claim 22, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

Claim 26 (previously presented): The computer implemented system of claim 22, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof.

Claim 27 (canceled).

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Claim 28 (currently amended): The computer implemented system of claim [[27]]22, wherein said interface definition module is further configured to dynamically change said predefined function associated with said one of said defined interface regions to another one of said predefined functions based on one or more of said communication modes and user preferences.

Claim 29 (previously presented): The computer implemented system of claim 22, wherein said interface definition module is further configured to configure predefined functions for one or more of said defined interface regions based on user preferences.

Claim 30 (currently amended): A computer implemented system for recording audio data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of [[an]]a mobile electronic device, said computer implemented system comprising:

at least one processor ~~configured to execute a gesture based audio recording application~~;

a non-transitory computer readable storage medium communicatively coupled to said at least one processor, said non-transitory computer readable storage medium configured to store said gesture based audio recording application; and

[[said]] a gesture based audio recording application that when executed by a processor, managing ~~configured to manage~~ said graphical user interface of said mobile electronic device and actions associated with said recording of said audio data in said one or more of said communication modes on said mobile electronic device, said gesture based audio recording application comprising:

an interface definition module configured to define a plurality of interface regions on said graphical user interface of said mobile electronic device, wherein each of said defined interface regions is

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associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said interface definition module;

a detection module configured to detect a first gesture from among ~~one of~~ multiple gestures on one of said defined interface regions;

an action management module configured to perform a first action associated with said recording of said audio data in one of said communication modes, on said detection of said first gesture ~~one of said gestures~~ on said one of said defined interface regions;

said interface definition module configured to dynamically change one or more of said predefined functions associated with one or more of said defined interface regions adjacent to said one of said defined interface regions based on said detected first gesture on said one of said defined interface regions;

said detection module further configured to detect a second gesture from among said multiple gestures ~~another one of said gestures~~ on one of: said one of said defined interface regions and another one of said defined interface regions; and

said action management module configured to perform a second action, in response to said detection of said second gesture ~~another one of said gestures~~ on said one of: said one of said defined interface regions and said another one of said defined interface regions.

Claim 31 (previously presented): The computer implemented system of claim 30, wherein said first action and said second action are at least one of:

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triggering said recording of said audio data;

switching from said one of said communication modes to another one of said communication modes for said recording of said audio data;

canceling said recording of said audio data; and

generating and displaying a plurality of options for performing an operation associated with said recorded audio data.

Claim 32 (previously presented): The computer implemented system of claim 30, wherein said gesture based audio recording application further comprises a media recording module configured to stream said audio data to a server via a network at one of: (a) continuously while recording said audio data, (b) at predefined time intervals after initiation of said recording of said audio data, and (c) after completion of said recording of said audio data.

Claim 33 (previously presented): The computer implemented system of claim 30, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

Claim 34 (currently amended): A computer program product comprising a non-transitory computer readable storage medium, said non-transitory computer readable storage medium storing computer program codes that comprise instructions executable by at least one processor, said computer program codes comprising:

a first computer program code for defining a plurality of interface regions on a graphical user interface of [[an]]a mobile electronic device;

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a tenth computer program code for associating each of said defined interface regions with a predefined function from among a plurality of predefined functions;

a second computer program code for detecting a first gesture from among ~~one of~~ multiple gestures on one of said defined interface regions;

a third computer program code for performing a first action associated with recording of media data in one of a plurality of communication modes, on said detection of said first gesture ~~one of said gestures~~ on said one of said defined interface regions, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof;

a fourteenth computer program for dynamically changing one or more of said predefined functions associated with one or more of said defined interface regions adjacent to said one or more of said defined interface regions based on said detected first gesture on said one of said defined interface regions;

a fourth computer program code for detecting a second gesture from among said multiple gestures ~~another one of said gestures~~ on one of: said one of said defined interface regions and another one of said defined interface regions; and

a fifth computer program code for performing a second action, in response to said detection of said second gesture ~~another one of said gestures~~ on said one of: said one of said defined interface regions and said another one of said defined interface regions.

Claim 35 (previously presented): The computer program product of claim 34, wherein said third computer program code and said fifth computer program code comprise at least one of:

a sixth computer program code for triggering said recording of said media data;

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a seventh computer program code for switching from said one of said communication modes to another one of said communication modes for said recording of said media data;

an eighth computer program code for canceling said recording of said media data; and

a ninth computer program code for generating and displaying a plurality of options for performing an operation associated with said recorded media data.

Claim 36 (canceled).

Claim 37 (currently amended): The computer program product of claim [[36]]34, wherein said computer program codes further comprise an eleventh computer program code for dynamically changing said predefined function associated with said one of said defined interface regions to another one of said predefined functions based on one or more of said communication modes and user preferences.

Claim 38 (previously presented): The computer program product of claim 34, wherein said computer program codes further comprise a twelfth computer program code for configuring predefined functions for one or more of said defined interface regions based on user preferences.

Claim 39 (previously presented): The computer program product of claim 34, wherein said computer program codes further comprise a thirteenth computer program code for streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data.

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Claim 40 (previously presented): The computer program product of claim 34, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:
Kieraj Singh Mumick
Application No.: 14/051,735
Filed: 10/11/2013
Applicant: Kirusa
Title: Multi-gesture Media Recording System

Examiner: Nguyen, Tuan S
Art Unit: 2171
Atty. Docket No.: KIRU-14NP-US

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

TRANSMITTAL LETTER

1. **Attachments:** We are transmitting herewith the attached papers for the above identified patent application:

§ Response to office action (31 pages); and
§ Petition for 2 months time extension, Form PTO/AIA/22.

2. **Fees:**

a. **$300** for two months time extension.

3. **General Authorization to charge or credit fees:** The Director is hereby authorized to charge any underpayment of fee or any other fee that may be required to deposit account # **600314**.

4. **Certificate Of Transmission Under 37 § CFR 1.8**: The undersigned hereby certifies that this Transmittal Letter and the papers as described in paragraph 1 hereinabove, are being electronically transmitted to the United States Patent and Trademark Office **via the USPTO electronic filing system** on this **02nd** day of **December 2016.**

Respectfully submitted,

Date: Dec 02, 2016

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:
Kieraj Singh Mumick
Application No.: 14/051,735
Filed: 10/11/2013
Applicant: Kirusa
Title: Multi-gesture Media Recording System

Examiner: Nguyen, Tuan S
Art Unit: 2171
Atty. Docket No.: KIRU-14NP-US

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

Response to Non-Final Office Action

Examiner Nguyen:

In response to the final office action mailed on July 25, 2016, please amend the above-referenced application as follows:

Amendments to claims begin on page 2 of this response.

Remarks begin on page 18 of this response.

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PTO/AIA/22 (03-13)
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PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)

Docket Number (Optional): KIRU-14NP-US

Application Number: 14/051,735

Filed: 10/11/2013

For: Multi-gesture Media Recording System

Art Unit: 2171

Examiner: Nguyen, Tuan S

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	$ 300
☐	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 600314.

☐ 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 33802.

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

/a tankha/ — Signature

12/02/2016 — Date

Ashok Tankha — Typed or printed name

856-266-5145 — 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 _____ 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.

Remarks

The Pending Claims

Claims 1-40 are currently pending. Reconsideration and allowance of the pending claims is respectfully requested.

Summary of the Office Action

Claim Rejections - 35 USC § 102

Claims 1-7, 10-14, 17-20, 22-27, 39 and 40 are rejected under 35 U.S.C. 102(a)(1) and 102(a)(2) as being anticipated by US 2011/0249074 (hereinafter referred as "Cranfill").

Claim Rejections - 35 USC § 103

Claims 8, 15, 21, 28 and 37 are rejected under 35 U.S.C. 103 as being unpatentable over Cranfill in view of US 2004/0036632 A1 (hereinafter referred as "Ford").

Claim Rejections - 35 USC § 103

Claims 9, 16, 29 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cranfill in view of US 2007/0296552 A1 (hereinafter referred as "Huang").

Amendments to the Claims

Claims 1, 8, 9, 10, 15, 16, 17, 21, 22, 28, 30, 34 and 37 are currently amended; claims 2-6, 11-13, 18, 19, 23-26, 29, 31-33, 35 and 38-40 remain as previously presented; and claims 7, 14, 20, 27 and 36 are canceled.

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Support for the limitation "defining a plurality of interface regions on said graphical user interface of said mobile electronic device by said gesture based media recording application, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said gesture based media recording application" is found in claim 7 of applicant's original application.

Support for the limitation "defining a plurality of interface regions on said graphical user interface of said mobile electronic device by said gesture based media recording application, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said gesture based audio recording application" is found in claim 14 of the applicant's original application.

Support for the limitation "dynamically changing, by said gesture based media recording application, one or more of said predefined functions associated with one or more of said defined interface regions adjacent to said one of said defined interface regions based on said detected first gesture on said one of said defined interface regions" is found in paragraph [0033] of the applicant's original application.

Support for the limitation "dynamically changing, by said gesture based audio recording application, one or more of said predefined functions associated with one or more of said defined interface regions adjacent to said one of said defined interface regions based on said detected first gesture on said one of said defined interface regions" is found in paragraph [0033] of the applicant's original application.

Response to rejections

The office action states: **"Claims 1-7, 10-14, 17-20, 22-27, 30-36, 39 and 40 are rejected under 35 U.S.C. 102(a)(1) and 102(a)(2) as being anticipated by Cranfill."**

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In response to the above rejection, applicant respectfully submits that Cranfill does not disclose all the limitations of amended claim 1.

Claim 1 discloses a method for recording media data in one or more of a plurality of communication modes. Examples of the communication modes for recording the media data include a push to talk (PTT) communication mode, a release to record (RTR) communication mode, and a tap to end (TTE) communication mode. Moreover, the method of recording media data in the one or more communication modes is based on one or more gestures on a graphical user interface **302** of a mobile electronic device **303**. The method begins by providing a gesture based media recording application **801** configured to manage the graphical user interface **302** of the mobile electronic device **303** and actions associated with the recording of said media data in the communication modes on the mobile electronic device **303**.

Applicant submits that Cranfill does not disclose "a computer implemented method for **recording media data in one or more of a plurality of communication modes based on one or more gestures** on a graphical user interface **302** of a mobile electronic device **303**".

In contrast, Cranfill discloses a method for modifying a composite display of a first device that is engaged in a video conference with a second device. Moreover, Cranfill transmits live video, which is a composition of video from at least two cameras. **Cranfill does not teach a method for recording media data** in a mobile electronic device in one or more communication modes such as press to talk (PTT) communication mode, release to record (RTR) communication mode, tap to start (TTS) communication mode, release to stop (RTS) communication mode, and tap to end (TTE) communication mode. Applicant respectfully submits that applicant's method for recording media data in one or more communication modes based on one or more gestures is not disclosed by Cranfill which discloses in-conference (for example, in a video conference) display adjustments. Moreover, applicant teaches one or more gestures are provided by a user on the mobile electronic device of the user which is not disclosed by Cranfill.

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Applicant's claim 1 further recites that the gesture based media recording application **801** defines a plurality of interface regions **301** on the graphical user interface **302** of the mobile electronic device **303**, wherein each of the plurality of the interface regions defined is associated with a predefined function from among a plurality of predefined functions. Thereafter, one of multiple gestures is detected on one of the defined interface regions **301** by the gesture based media recording application **801**. **A first action associated with the recording of the media data is performed in one of the communication modes by the gesture based media recording application 801, on the detection a first gesture on one of the defined interface regions 301. Upon detection of the first gesture on the defined interface region, the gesture based media recording application 801 dynamically changes one or more of said predefined functions associated with one or more of the defined interface regions 301 which is adjacent to the defined interface region where the gesture was detecte**d. Such dynamic changes are more specifically performed based on one of a plurality of predefined gestures, such as a drag and drop gesture, a click gesture, a double click gesture, a click and hold gesture, a tap gesture, a tap and hold gesture, a hold and swipe gesture, a touch gesture, a glide gesture, a scrolling gesture and the like.

Cranfill does not disclose provisioning of a gesture based media recording application 801configured to manage the graphical user interface. More specifically, Cranfill does not disclose that the gesture based media recording application **801** is configured to manage **actions associated with the recording of the media data**. For example, an action performed by the gesture based media recording application **801** as recited in paragraph [0015] of applicant's original specification includes one of switching from one communication mode to another communication mode for recording an audio data in the other communication mode, canceling the recording of the audio data in one of the communication mode, and **dynamically generating and displaying multiple options for performing an operation associated with the recorded audio data**.

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In contrast, Cranfill discloses, inter alia, a UI **1205** of a remote user depicting a sequence of operations (the six different stages **1210**, **1215**, **1220**, **1225**, **1230** and **1235**) for presenting and accepting a video conference invitation at the remote user's device. More specifically, Cranfill merely invites the remote user to a video conference and the remote user may accept or reject the invitation received on his/her device.

Applicant teaches actions associated with recording of the media data which is distinguishable from Cranfill's disclosure accepting and rejecting an invitation to a video conference. Furthermore, applicant discloses a method for recording of media data (such as audio data), and not for video conferencing or streaming live video application.

For example, applicant's gesture based media recording application **801** facilitates a user to press a button in the GUI **302** of the mobile electronic **303** device to record a media data such as audio data in a PTT communication mode. The advantage of the gesture based media recording application **801** disclosed by the applicant is that, if the user feels that his finger may slip inadvertently or if the user finds it difficult to record lengthy media data in the PTT communication mode, the user may perform an action on the GUI **302** of his/her mobile electronic device to change to another communication mode such as RTR communication mode. Cranfill does not disclose such a recording function in its application, instead Cranfill discloses a gesture based application for video conferencing (such as the client application **1665** disclosed in Cranfill).

Although, the differences were clear in the previously presented claims, nevertheless, the applicant has amended claims to expedite the examination process. Amended claim 1 recites the following limitations:

a) "defining a plurality of interface regions on said graphical user interface of said mobile electronic device by said gesture based media recording application, wherein each of said defined interface regions is associated with a predefined

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function from among a plurality of predefined functions on said graphical user interface by said gesture based media recording application"

b) "performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said first gesture on said one of said defined interface regions"

Amended claim 1 further recites that the gesture based media recording application **801** dynamically changes one or more predefined functions that are associated with one or more of the defined interface regions when a first action is performed on a defined interface region adjacent to the one or more of the defined interface regions (see paragraph [0033] of applicant's original application).

The office action on page 12 states that Cranfill in view of Ford teaches at least a part of the above limitation. Applicant respectfully disagrees. Cranfill in view of Ford does not disclose that the gesture based media application **dynamically changes** one or more predefined functions that are associated with one or more of the defined interface regions when a first action is performed **on a defined interface region adjacent to the one or more of the defined interface regions**.

Ford discloses a universal keyboard **100** with a plurality of character and function keys **105**. The character and function keys **105** are associated with electronically-alterable display **110** for indicating the associated key function to the keyboard user. The mode-changing capability as described in Ford, which is initiated by pressing the mode-changing keys **120** (see, paragraph [0028] of Ford) is used for dynamically changing the state and/or display of the universal keyboard **100** with respect to a desired/selected application being operated by a user. Ford does not disclose that the predefined functions of the one or more defined interface regions dynamically changes upon detecting an action being performed on a defined interface adjacent to the one or more defined interface regions.

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Furthermore, in applicant's claim, different gestures such as the first gesture and the second gesture **made on the same interface region** correspond to different actions being performed by the gesture based media recording application **801**. Therefore, gestures such as drag and drop, click, double click, click and hold, tap, tap and hold, hold and swipe, touch, glide, or scrolling are performed on the same interface region, and still result in different actions. In contrast, in Ford, a user is required to press the mode changing keys **120** in order to change the function or alter the display of other keys in the universal keyboard **100**. Therefore, applicant submits that changing actions associated with the gesture based media recording application **801** as disclosed in applicant's original application depends **on how a user is going to interact with the interface region** and not by just merely pressing a particular key out of a plurality of mode changing keys **120,** as disclosed in Ford.

Moreover, the applicant's gesture based media recording application **801** is applicable to electronic hand-held devices with operating systems such as the Android operating system, the Windows Phone® operating system of Microsoft Corporation, the BlackBerry® operating system of Research in Motion Limited, the iOS operating system of Apple Inc., the Symbian® operating system of Symbian Foundation Limited, etc. Examples of such mobile electronic devices provided by the applicant in the original application (see, paragraph [0011]) includes for example, a cellular phone, a smart phone, a tablet computing device, a personal digital assistant, a laptop, a touch centric device, a digital camera, a television, a car, a gaming console and the like. Such devices can be operated using a single finger by a user and the user may hold the mobile electronic device **303** using one hand. In contrast, Ford's universal keyboard **100** requires the user to use both hands to operate or hold.

Further, as recited in paragraph [0033] of the applicant's original application, "if a user's first gesture is a tap gesture on an interface region defined and marked by an icon on the GUI of the user's electronic device, the media recording application launches a program. If a user performs a press and a hold gesture on the interface region, the media

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recording application changes the predefined function associated with each of the defined interface regions in the neighborhood of the icon." More specifically, applicant's original application discloses that the predefined function changes based on a form or a type of gesture being applied on the defined interface region adjacent to the one or more defined interface region. For example, the first gesture may be a click gesture and the second gesture may be a slide gesture etc. Other examples of gestures may include a drag and drop gesture, a click gesture, a double click gesture, a click and hold gesture, a tap gesture, a tap and hold gesture, a hold and swipe gesture, a touch gesture, a slide gesture, a glide gesture, a scrolling gesture etc. Also, Ford does not disclose that application, upon pressing the mode-changing key **120** alters the keys 106 in the immediate neighborhood of the mode-changing key **120**.

Furthermore, applicant's original application also recites that changing the pre-defined functions of the one or more interface regions dynamically may also be based on one or more of said communication modes and user preferences as recited in claims 8, 15, 21, 28 and 37. For example, the dynamic change of the predefined functions of the one or more defined interface regions when an action is performed on an adjacent defined interface region may be based on a communication mode such as a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode and a tap to end communication mode, which is not disclosed in Ford.

Therefore, even if both Cranfill and Ford are combined as suggested in the office action, there will be no reasonable expectation of success in arriving at the following limitation:

c) "dynamically changing, by said gesture based media recording application, one or more of said predefined functions associated with one or more of said defined interface regions adjacent to said one of said defined interface regions based on said detected first gesture on said one of said defined interface regions".

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Applicant respectfully submits that Cranfill does not disclose the above limitations recited in amended claim 1. Therefore, for the reasons presented above, applicant submits that claim 1 is novel and is not anticipated by Cranfill and requests the examiner that the rejection of claim 1 under 35 U.S.C. 102(a)(1) and 102(a)(2) be reconsidered and withdrawn.

Applicant further submits that Cranfill does not disclose the following limitation in claim 2: the first action and the second action is selected from the group consisting of triggering said recording of said media data, switching from said one of said communication modes to another one of said communication modes for said recording of said media, canceling said recording of aid media data, generating and displaying a plurality of options for performing an operation associated with said recorded media data and combinations thereof.

In contrast, Cranfill describes that the UI **1205** shows two selectable UI items **1275** and **1246**, which corresponds to an accept button and an end button for starting or ending a video conferencing. Cranfill does not teach that the triggering is for recording or beginning of the video conference recording as suggested in the office action. Moreover, switching from one communication mode to another communication mode for recording the media is not disclosed in Cranfill.

Applicant also submits that the limitation of claim 3 is not disclosed in Cranfill as stated in the office action. Cranfill does not disclose streaming while continuously recording, or at predefined time intervals, or after completion of recording the media data as suggested in the office action.

In contrast, Cranfill merely discloses that the video conference server **1015** initiates the transmission of the video conference upon acceptance of request by the video conference client **1025** from the video conference client **1010**. Cranfill does not disclose that the streaming includes continuously recording, or recording at predefined time intervals, or after completion as recited in the applicant's claim 3.

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In claim 4, applicant recites that the communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode. Cranfill does not disclose any of the communication modes recited in claim 4 of applicant's original disclosure. More specifically, applicant submits that Cranfill does not teach that upon receiving a gesture based action on the graphical user interface the application initiates recording of the media data in a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, or a tap to end communication mode. In contrast, Cranfill discloses enabling/disabling a video conference call. Moreover, the communication mode switching as described in Cranfill, is from a voice channel (a telephone call) to a video channel (video conference call).

Applicant respectfully submits that the communication modes described in claim 4 of the applicant's original application is specifically for the purpose of recording in one of the several modes.

Also, claims 2-7 are dependent on claim 1 which is novel and not anticipated by Cranfill. Accordingly, applicant submits that claims 2-7 are also not anticipated by Cranfill, and respectfully requests that the rejection of claims 2-7 under 35 U.S.C. 102(a)(1) and 102(a)(2) be reconsidered and withdrawn.

Furthermore, since independent claims 10, 17, 22, 30 and 34 recite similar limitations as claim 1, except for the terms "gesture based media recording application" being interchanged with "gesture based audio recording application", and "media data" being replaced with "audio data" in some of the claims, applicant submits that independent claims 10, 17, 22, 30 and 34 are also novel over Cranfill. Therefore, applicant respectfully requests that the rejection of claims 10, 17, 22, 30 and 34 under 35 U.S.C. 102(a)(1) and 102(a)(2) be reconsidered and withdrawn.

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Since independent claims 10, 17, 22, 30 and 34 are novel and not anticipated by Cranfill, applicant submits that the dependent claims 11-14, 18-20, 23-27, 31-33, 35, 36, 39 and 40 are also novel over Cranfill. Therefore, applicant respectfully requests that the rejection of claims 11-14, 18-20, 23-27, 31-33, 35, 36, 39 and 40 under 35 U.S.C. 102(a)(1) and 102(a)(2) be reconsidered and withdrawn.

The office action further states: **"Claims 8, 15, 21, 28 and 37 are rejected under 35 U.S.C. 103 as being unpatentable over Cranfill in view of Ford."**

Applicant submits that Cranfill in view of Ford does not teach or suggest the limitation of claims 8, 15, 21, 28 and 37. Claims 8, 15, 21, 28 and 37 recite that predefined functions associated with one of defined interface regions dynamically changes to another one of predefined functions based on one or more of communication modes and user preferences.

Cranfill in view of Ford does not disclose that the gesture based media application changes predefined functions of one or more defined interface regions based on a gesture detected on a defined interface region adjacent to the one or more defined interface regions.

In contrast, Ford discloses a universal keyboard **100** which includes a plurality of character and function keys **105**. The character and function keys **105** are associated with electronically-alterable display **110** for indicating the associated key function to the keyboard user. The mode-changing capability as described in Ford discloses that the state and/or display of the universal keyboard **100** dynamically changes with respect to a desired/selected application being operated by a user. For example, mode-changing capability of Ford corresponds to support a particular application that the keyboard user desires to use, or to support the marketing and use of the keyboard in different language regions of the world. Ford does not disclose that the predefined functions of the one or more defined interface regions dynamically changes upon detecting an action being performed on a defined interface adjacent to the one or more defined interface regions.

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Furthermore, applicant's original application discloses that the predefined function changes based on a gesture being applied from among multiple gestures (e.g., first gesture, second gesture etc.) on the defined interface region adjacent to the one or more defined interface region or based on one or more of said communication modes and user preferences as recited in claims 8, 15, 21, 28 and 37 of the applicant's original application.

Furthermore, applicant submits that paragraph [0032] of applicant's original specification teaches that the gesture based media recording application **801** dynamically changes the predefined functions by analyzing the frequently used predefined functions or by tracking the sequence of events up to the current state, or by providing a settings menu for the user to manually select the predefined functions that the user prefers. Therefore, applicant submits that the mode changing capability described in Ford for the universal keyboard **100** is different from the dynamic changes of the predefined functions of the interface regions **301** disclosed by the applicant. Hence, even if both Cranfill and Ford are combined as suggested in the office action, there is no reasonable expectation of success in arriving at the limitations disclosed in claims 8, 15, 21, 28 and 37.

Also, since independent claims 1, 10, 17, 22 and 34 are novel, the applicant submits that the respective dependent claims 8, 15, 21, 28 and 37 are novel over Cranfill in view of Ford. Therefore, applicant respectfully requests that the rejection of claims 8, 15, 21, 28 and 37 under 35 U.S.C. 103 be reconsidered and withdrawn.

The office action further states: **"Claims 9, 16, 29 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cranfill in view of Huang."**

Applicant submits that Cranfill in view of Huang does not teach or suggest the limitations of claims 9, 16, 29 and 38 for the reasons presented in the arguments above. Claims 9, 16, 29 and 38 recite that the predefined functions for one or more of defined

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interface regions **301** are configured based on user preferences by said gesture based media recording application **801**.

In response, the applicant submits that since independent claims 1, 10, 17, 22, 30 and 34 are novel, dependent claims 9, 16, 29 and 38 are also novel over Cranfill in view of Huang. Therefore, the applicant respectfully requests that the rejection of claims 9, 16, 29 and 38 under 35 U.S.C. 103(a) be reconsidered and withdrawn.

Note: Cranfill discloses gesture based actions being performed on one or more interface regions of a graphical user interface associated with an application (i.e., gesture based video conferencing application). However, in contrast to Cranfill's disclosure, applicant's original patent application specifically covers switching between different communication modes for recording purposes only (e.g., push to talk, or tap to start, or release to record, etc.). Although, the differences were clear in the previously presented claims, nevertheless, the applicant has amended the claims to expedite the examination process.

Conclusion

Applicant respectfully requests that a timely Notice of Allowance be issued in this case. In the interest of compact prosecution, if the prosecution of the application can be advanced or if a claim may be made potentially allowable by an Examiner's amendment, applicant requests Examiner Nguyen to call the undersigned with the proposed amendment.

Respectfully submitted,

Date: Dec 02, 2016

/a tankha/
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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 14/051,735	Filing Date 10/11/2013	☐ 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	12/02/2016	(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))	* 35	Minus	** 40	= 0	X $40 =	0
	Independent (37 CFR 1.16(h))	* 6	Minus	***6	= 0	X $210 =	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.

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VERNON TOWLER

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.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14051735	MUMICK, KIERAJ SINGH
	Examiner	Art Unit
	TUAN S NGUYEN	2145

CPC- SEARCHED		
Symbol	Date	Examiner
Conduct EAST CPC search on (H04N5/44543 G11B27/34 H04N21/4622) with limited keys.	7/22/2016	TN
Conduct EAST CPC search on (H04N5/44543 G11B27/34 H04N21/4622) with limited keys.	1/24/2017	TN

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
Conduct EAST inventor name search	7/22/2016	TN
Conduct EAST search	7/22/2016	TN
Conduct EAST search	1/24/2017	TN

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
	See interference search attached	7/22/2016	TN

	/TUAN S NGUYEN/ Primary Examiner.Art Unit 2145

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14051735	MUMICK, KIERAJ SINGH
	Examiner	Art Unit
	TUAN S NGUYEN	2145

✓	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	07/22/2016	01/24/2017							
	1	✓	✓							
	2	✓	✓							
	3	✓	✓							
	4	✓	✓							
	5	✓	✓							
	6	✓	✓							
	7	✓	-							
	8	✓	✓							
	9	✓	✓							
	10	✓	✓							
	11	✓	✓							
	12	✓	✓							
	13	✓	✓							
	14	✓	-							
	15	✓	✓							
	16	✓	✓							
	17	✓	✓							
	18	✓	✓							
	19	✓	✓							
	20	✓	-							
	21	✓	✓							
	22	✓	✓							
	23	✓	✓							
	24	✓	✓							
	25	✓	✓							
	26	✓	✓							
	27	✓	-							
	28	✓	✓							
	29	✓	✓							
	30	✓	✓							
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	32	✓	✓							
	33	✓	✓							
	34	✓	✓							
	35	✓	✓							
	36	✓	-							

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14051735	MUMICK, KIERAJ SINGH
	Examiner	Art Unit
	TUAN S NGUYEN	2145

✓	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	07/22/2016	01/24/2017							
	37	✓	✓							
	38	✓	✓							
	39	✓	✓							
	40	✓	✓							

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	3	("20080165141" "20110261213" "20100309148").pn.	US-PGPUB; USPAT	OR	ON	2016/05/19 16:17
S3	4	Mumick-Kieraj-Singh.in.	US-PGPUB; USPAT	OR	ON	2016/05/19 16:18
S4	1	14/051735.app.	US-PGPUB; USPAT	OR	ON	2016/06/21 11:59
S5	4	Mumick-Kieraj-Singh.in.	US-PGPUB; USPAT	OR	ON	2016/06/21 12:03
S6	1	S5 and (communication near mode with gesture and recording).clm.	US-PGPUB; USPAT	OR	ON	2016/06/21 12:03
S7	4	Mumick-Kieraj-Singh.in.	US-PGPUB; USPAT	OR	ON	2016/06/21 14:23
S8	1	S7 and (defin$4 with region).clm.	US-PGPUB; USPAT	OR	ON	2016/06/21 14:23
S9	1	S7 and (associat$4 near function with region).clm.	US-PGPUB; USPAT	OR	ON	2016/06/21 14:24
S10	23784	(H04N5/44543 G11B27/34 H04N21/4622).cpc.	US-PGPUB; USPAT	OR	ON	2016/06/21 14:55
S11	864	S10 and ((media audio video) with record$4 with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/21 14:56
S12	699	S11 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/21 14:57
S13	0	"L6" and (communication near mode with (tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 12:26
S14	4	"L6" and (communication with (tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 12:27
S15	23784	(H04N5/44543 G11B27/34 H04N21/4622).cpc.	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S16	864	S15 and ((media audio video) with record$4 with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S17	699	S16 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S18	0	S17 and (communication with (tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S19	93	S17 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S20	100	S17 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 13:26
S21	0	S20 and (communication near mode)	US-PGPUB; USPAT	OR	ON	2016/06/22 13:27

S22	3	("20080165141" "20110261213" "20100309148").pn.	US-PGPUB; USPAT	OR	ON	2016/06/22 13:31
S23	23784	(H04N5/44543 G11B27/34 H04N21/4622).cpc.	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S24	864	S23 and ((media audio video) with record$4 with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S25	699	S24 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S26	100	S25 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S27	13	S26 and ((switch$4 select$4 gesture slid$4) with (tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S28	0	S25 and ((switch$4 select$4 gesture slid$4) with (tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:16
S29	9	S25 and ((tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:17
S30	77557	((media audio video) with record$4 with application)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:25
S31	568	S30 and ((switch$4 select$4 gesture slid$4) with (tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:26
S32	464	S31 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/22 15:27
S33	267	S32 and ((cancel$4 terminat$4 end$4 trigger$4 activat$4 execut$4) with record$4)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:30
S34	130	S33 and ((chang$4 updat$4) with (option menu selection button))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:31
S35	43	S33 and ((chang$4 updat$4) with (option menu selection button) with (state stage))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:38
S36	4	S35 and ((display$4 present$4) with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:39
S37	4116	((media audio video) with record$4 with (application app) with mobile)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:44
S38	1038	S37 and ((display$4 present$4) with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:44
S39	519	S38 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/22 15:44
S40	0	S39 and ((chang$4 updat$4 present$4) with (option menu selection button) with (operat$4 near record$4))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:46
S41	9	S39 and ((chang$4 updat$4 present$4) with (option menu selection button) with operat$4 with (application app))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:47
S42	3	("20080165141" | "20110261213" | "20100309148").PN.	US-PGPUB; USPAT	OR	ON	2016/07/14 14:12
S43	4178	((media audio video) with record$4 with (application app) with mobile)	US-PGPUB; USPAT	OR	ON	2016/07/14 14:54
S44	1925	S43 and (microphone)	US-PGPUB;	OR	ON	2016/07/14

			USPAT			14:54
S45	26	S44 and ((tap near (start talk end) push near talk (release hold) near (record stop cancel)))	US-PGPUB; USPAT	OR	ON	2016/07/14 15:02
S46	127	((media video audio) with (record$4) near (application software app) with (menu option))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:26
S47	255	((media video audio) with (record$4) near (application software app) with (menu option button icon))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:28
S48	184	S47 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/18 12:28
S49	11	S48 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:30
S50	53390	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:38
S51	573	S50 and ((tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:39
S52	379	S51 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/18 12:39
S53	18	S52 and ((PTT HTR RTS RTR TTS) with (gesture slid$4 switch$4))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:40
S54	1303	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon) with gesture)	US-PGPUB; USPAT	OR	ON	2016/07/18 13:55
S55	7526	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon) with (gesture switch$4 slid$4))	US-PGPUB; USPAT	OR	ON	2016/07/18 13:55
S56	5242	S55 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/18 13:56
S57	41	S56 and ((tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/07/18 13:57
S58	4	S57 and ((PTT HTR RTS RTR TTS) with (gesture slid$4 switch$4))	US-PGPUB; USPAT	OR	ON	2016/07/18 13:58
S59	7526	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon) with (gesture switch$4 slid$4))	US-PGPUB; USPAT	OR	ON	2016/07/18 16:49
S60	5242	S59 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/18 16:49
S61	11	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$).did.	US-PGPUB	OR	ON	2016/07/20 15:01
S62	7533	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon) with (gesture switch$4 slid$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:02
S63	5242	S62 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/20 15:02

S64	5046	S63 and ((switch$4 gestur$4 slid$4) with (menu button option mode) with (communication camera capture record$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:02
S65	1277	S63 and ((gesture touch$6 tap$4) with (switch$4 slid$4 chang$4) with (menu button option mode) with (communication camera capture record$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:28
S66	412	S65 and ((media video audio voice) with (record$4) with (microphone camera))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:30
S67	79	S65 and ((media video audio voice) with (record$4) with (microphone camera) with (interface GUI))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:35
S68	1	S67 and (communication near mode)	US-PGPUB; USPAT	OR	ON	2016/07/20 15:47
S69	30	S67 and ((select$4 tap$4) with (camera microphone) with record$4)	US-PGPUB; USPAT	OR	ON	2016/07/20 16:01
S70	0	"Apple.as" and ((camera microphone) with mode)	US-PGPUB; USPAT	OR	ON	2016/07/20 16:10
S71	6804	((camera microphone) with (menu selection near mode record$4 option) with touch$7)	US-PGPUB; USPAT	OR	ON	2016/07/20 16:11
S72	4463	S71 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/20 16:13
S73	114	S72 and ((select$4 tap$4 switch$4) with (camera microphone) with mode with (start stop chang$4 save cancel))	US-PGPUB; USPAT	OR	ON	2016/07/20 16:31
S74	7	S73 and ((camera microphone) near (interface UI "user interface" GUI))	US-PGPUB; USPAT	OR	ON	2016/07/20 16:33
S75	1821	(touch$7 with (camera microphone) near (interface UI "user interface" GUI))	US-PGPUB; USPAT	OR	ON	2016/07/20 16:50
S76	954	S75 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/20 16:51
S77	10	S76 and ((select$4 tap$4 switch$4) with (camera microphone) with mode with (start stop chang$4 save cancel hold pause re?record$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 16:51
S78	0	"Apple.as" and (touch$7 with (camera microphone) near (interface UI "user interface" GUI))	US-PGPUB; USPAT	OR	ON	2016/07/20 17:07
S79	0	"Apple.as" and ((camera microphone) near (interface UI "user interface" GUI) with icon)	US-PGPUB; USPAT	OR	ON	2016/07/20 17:08
S80	25	Apple.as. and ((camera microphone) near (interface UI "user interface" GUI) with icon)	US-PGPUB; USPAT	OR	ON	2016/07/20 17:41
S81	13	S80 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/20 17:42
S82	23	S80 and (@ad<"20121015" @rlad<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/20 17:45
S83	0	S82 and ((select$4 tap$4 switch$4) with (camera microphone) with mode with (start stop chang$4 save cancel))	US-PGPUB; USPAT	OR	ON	2016/07/20 17:47

S84	41	Apple.as. and ((select$4 tap$4 switch$4) with (camera microphone) with mode with (start stop chang$4 save cancel hold pause re?record$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 17:48
S85	39	S84 and (@ad<"20121015" @rlad<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/20 17:50
S86	27	S84 and (@ad<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/20 18:45
S87	1	"20110249075".pn.	US-PGPUB; USPAT	OR	ON	2016/07/20 19:30
S88	1	"20110249074".pn.	US-PGPUB; USPAT	OR	ON	2016/07/20 19:30
S89	19	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$).did. or (US-6763226-$ or US-8502856-$).did.	US-PGPUB; USPAT	OR	ON	2016/07/21 10:12
S90	12	(camera near (menu option) with (video photo pano square slo?mo)) and Apple.as.	US-PGPUB; USPAT	OR	ON	2016/07/21 14:51
S91	7	S90 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/21 14:52
S92	7	S90 and (@ad<"20121015" @rlpd<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/21 14:54
S93	40945	((audio voice) with (microphone record$4 memo) with message)	US-PGPUB; USPAT	OR	ON	2016/07/21 16:29
S94	6472	((audio voice) with (record$4 conference IM) with (user near interface UI GUI))	US-PGPUB; USPAT	OR	ON	2016/07/21 16:31
S95	4984	S94 and (@ad<"20121015" @rlpd<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/21 16:31
S96	19	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$).did. or (US-6763226-$ or US-8502856-$).did.	US-PGPUB; USPAT	OR	ON	2016/07/21 16:40
S97	8	S96 and (user near (preference specif$4))	US-PGPUB; USPAT	OR	ON	2016/07/21 16:40
S98	4	Mumick-Kieraj-Singh.in.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:34
S99	2	("20040225502" "20110075818").pn.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:41

S100	1	S98 and (gesture with (media audio voice video) with (record$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:46
S101	1	S98 and (gesture and (media audio voice video) with (record$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:47
S102	129628	((media audio voice video) with (record$4 captur$4 camera microphone) with (application app))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:19
S103	11771	((media audio voice video) with (record$4 captur$4 camera microphone) with (application app) with (user near interface GUI UI interface))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:20
S104	427	S103 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:21
S105	7	S103 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS) with (gesture touch$7))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:22
S106	5	S105 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/21 22:22
S107	229	S103 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS) and (gesture touch$7))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:35
S108	19	S103 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS) same (gesture touch$7))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:35
S109	7	S108 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/21 22:36
S110	176	((menu function) with dynamically near chang$4 with (mode user near references))	US-PGPUB; USPAT	OR	ON	2016/07/22 00:35
S111	121	S110 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 00:36
S112	2	((menu function) with dynamically near chang$4 with (communication near mode user near references))	US-PGPUB; USPAT	OR	ON	2016/07/22 00:37
S113	0	S112 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 00:37
S114	6	S111 and ((media audio voice video) with (record$4 captur$4 camera microphone) with (application app))	US-PGPUB; USPAT	OR	ON	2016/07/22 00:39
S115	352	((menu function) with dynamically near chang$4 with (communication near mode user near references application))	US-PGPUB; USPAT	OR	ON	2016/07/22 01:49
S116	0	((menu function) with dynamically near chang$4 with (communication near mode user near references application) with "same" near (key icon button))	US-PGPUB; USPAT	OR	ON	2016/07/22 01:58
S117	2	((menu function) with dynamically near chang$4 with (communication near mode user near references application) with "same" with (key icon button))	US-PGPUB; USPAT	OR	ON	2016/07/22 01:59
S118	1	14/051735.app.	US-PGPUB; USPAT	OR	ON	2016/07/22 02:43

S119	1	S118 and (user near preference)	US-PGPUB; USPAT	OR	ON	2016/07/22 02:43
S130	13	(assign$4 with (pre?defined near function) with (key menu))	US-PGPUB; USPAT	OR	ON	2016/07/22 04:18
S131	12	S130 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:18
S132	11	((assign$4 delegat$4) with (pre?defined near function) with (blank empty) near (key menu near space))	US-PGPUB; USPAT	OR	ON	2016/07/22 04:27
S133	10	S132 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:27
S134	11	((assign$4 delegat$4 drag$4) with (pre?defined near function) with (blank empty) near (key menu near space))	US-PGPUB; USPAT	OR	ON	2016/07/22 04:29
S135	10	S134 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:29
S136	11	((assign$4 delegat$4 drag$4) with (pre?defined near (function menu)) with (blank empty) near (key space slot))	US-PGPUB; USPAT	OR	ON	2016/07/22 04:31
S137	75	((assign$4 delegat$4 drag$4) with (function) with (blank empty) near (key space slot))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/07/22 04:32
S138	61	S137 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:33
S139	27	S138 and (universal near remote)	US-PGPUB; USPAT	OR	ON	2016/07/22 04:37
S140	15	((assign$4 delegat$4 drag$4) with (function) with (blank empty) near (key space slot)) same (universal near remote)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/07/22 04:38
S141	13	S140 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:39
S142	1	14/051735.app.	US-PGPUB; USPAT	OR	ON	2016/07/22 06:14
S143	1	S142 and (non?transitory with medium)	US-PGPUB; USPAT	OR	ON	2016/07/22 06:14
S144	24	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$ or US-20040225502-$ or US-20120036434-$ or US-20070237515-$ or US-20040036632-	US-PGPUB; USPAT	OR	ON	2016/07/22 07:23

		$).did. or (US-6763226-$ or US-8502856-$ or US-6486914-$).did.				
S145	25	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$ or US-20040225502-$ or US-20120036434-$ or US-20070237515-$ or US-20040036632-$ or US-20070296552-$).did. or (US-6763226-$ or US-8502856-$ or US-6486914-$).did.	US-PGPUB; USPAT	OR	ON	2016/07/22 07:25
S148	26	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$ or US-20040225502-$ or US-20120036434-$ or US-20070237515-$ or US-20040036632-$ or US-20070296552-$).did. or (US-6763226-$ or US-8502856-$ or US-6486914-$ or US-8995689-$).did.	US-PGPUB; USPAT	OR	ON	2017/01/23 13:43
S149	0	(chang$4 with dynamic$4 with (state status) near (button icon menu) with communication near mode)	US-PGPUB; USPAT	OR	ON	2017/01/23 14:15
S150	0	(chang$4 with dynamic$4 with (state status) near (button icon menu) same communication near mode)	US-PGPUB; USPAT	OR	ON	2017/01/23 14:15
S151	0	(chang$4 with dynamic$4 with (state status) near (button icon menu) and communication near mode)	US-PGPUB; USPAT	OR	ON	2017/01/23 14:15
S152	79	(chang$4 with dynamic$4 with (state status) near (button icon menu))	US-PGPUB; USPAT	OR	ON	2017/01/23 14:16
S153	5	(chang$4 with dynamic$4 with (state status) near (button icon menu) with mode)	US-PGPUB; USPAT	OR	ON	2017/01/23 14:16
S154	5	S153 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/23 14:16
S155	24829	(H04N5/44543 G11B27/34 H04N21/4622).cpc.	US-PGPUB; USPAT	OR	ON	2017/01/23 14:17
S156	0	S155 and (chang$4 with dynamic$4 with (state status) near (button icon menu) with mode)	US-PGPUB; USPAT	OR	ON	2017/01/23 14:17
S157	28	S155 and (chang$4 with dynamic$4 with (state status) near (button icon menu))	US-PGPUB; USPAT	OR	ON	2017/01/23 14:17

S158	28	S157 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/23 14:18
S159	1125	(chang$4 with (state status user near interface) near (button icon menu submenu) with (select$4 option click))	US-PGPUB; USPAT	OR	ON	2017/01/23 15:38
S160	876	S159 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/23 15:40
S161	37	(chang$4 near dynamic$4 with (state status user near interface) near (button icon menu submenu) with (select$4 option click))	US-PGPUB; USPAT	OR	ON	2017/01/23 15:40
S162	35	S161 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/23 15:40
S163	0	(chang$4 near dynamic$4 with (state user near interface) near (button icon menu submenu) with (select$4 option click) near (parent root))	US-PGPUB; USPAT	OR	ON	2017/01/23 15:49
S164	109	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with (select$4 option click$4))	US-PGPUB; USPAT	OR	ON	2017/01/23 15:59
S165	86	S164 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/23 15:59
S167	0	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with (select$4 option click$4) near mode near record$4)	US-PGPUB; USPAT	OR	ON	2017/01/24 09:32
S168	0	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with (select$4 option click$4) with mode near record$4)	US-PGPUB; USPAT	OR	ON	2017/01/24 09:33
S169	0	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with (select$4 option click$4) near record$4)	US-PGPUB; USPAT	OR	ON	2017/01/24 09:33
S170	2	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with (select$4 option click$4) with record$4)	US-PGPUB; USPAT	OR	ON	2017/01/24 09:35
S171	1	S170 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/24 09:36
S172	1	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with record$4 near (application app))	US-PGPUB; USPAT	OR	ON	2017/01/24 09:38
S173	1	(chang$4 near dynamic$4 with (state user near interface context) with (button icon menu submenu) with record$4 near (application app))	US-PGPUB; USPAT	OR	ON	2017/01/24 09:44
S174	1	(chang$4 near dynamic$4 with (state user near interface context) with (button icon menu submenu) with record$4 near (application app))	US-PGPUB; USPAT	OR	ON	2017/01/24 09:45
S175	1	(chang$4 near dynamic$4 with (state user near interface context) with record$4 near (application app))	US-PGPUB; USPAT	OR	ON	2017/01/24 09:46
S176	91	(chang$4 near dynamic$4 with (state user near interface context) with	US-PGPUB; USPAT	OR	ON	2017/01/24 10:06

		record$4)				
S177	8	(chang$4 near dynamic$4 with (state user near interface context) with record$4 with (application app))	US-PGPUB; USPAT	OR	ON	2017/01/24 10:06
S178	5	S177 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/24 10:10

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S120	1045	(gesture and (media audio voice video) with (record$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:47
S121	295	(gesture with (media audio voice video) with (record$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:47
S122	3	S121 and (communication near mode).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:48
S123	3	S121 and ((tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/07/21 21:50
S124	1	S121 and ((tap near (start talk end) push near talk release near (record stop))).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:50
S125	64	(gesture and (media audio voice video) with (record$4) with (user near interface UI GUI)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:53
S126	1	S125 and ((tap near (start talk end) push near talk release near (record stop))).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:53
S127	1	S125 and (communication near mode).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:54
S128	64	S125 and ((media audio voice video) with (record$4 captur$4 camera microphone) with (application app user near interface UI GUI)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:55
S129	17	S125 and ((media audio voice video) with (record$4 captur$4 camera microphone) with (application app)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:56
S146	1	"Term Removed"	US-PGPUB	OR	ON	2016/07/22 07:23
S147	1	"Term Removed"	US-PGPUB	OR	ON	2016/07/22 07:25
S166	1	"Term Removed"	US-PGPUB	OR	ON	2017/01/23 13:43

1/24/2017 7:58:34 PM
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Notice of References Cited	Application/Control No. 14/051,735	Applicant(s)/Patent Under Reexamination MUMICK, KIERAJ SINGH	
	Examiner TUAN S. NGUYEN	Art Unit 2145	Page 1 of 1

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2011/0252318 A1	10-2011	Helms; Jan-Hinnerk	G06F9/4443	715/702
	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	CPC Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/051,735	10/11/2013	Kieraj Singh Mumick	KIRU-14NP-US	3926

7590 01/26/2017

Ashok Tankha
36 Greenleigh Drive
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EXAMINER	
NGUYEN, TUAN S	

ART UNIT	PAPER NUMBER
2145	

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01/26/2017	PAPER

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.

Office Action Summary	Application No. 14/051,735	Applicant(s) MUMICK, KIERAJ SINGH	
	Examiner TUAN S. NGUYEN	Art Unit 2145	AIA (First Inventor to File) Status Yes

-- 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 *12/02/2016*.

☐ 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) *1-6,8-13,15-19,21-26,28-35 and 37-40* 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) *1-6,8-13,15-19,21-26,28-35 and 37-40* 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: _____.

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

Claims 1-6, 8-13, 15-19, 21-26, 28-35, 37-40 are pending in this application. Claims 1, 10, 17, 22, 30 and 34 are independent claims. This Office Action is made Final.

Claim Rejections - 35 USC § 103

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

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102 of this title, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-6, 8, 10-13, 15, 17-19, 21-26, 28-35, 37, 39 and 40 are rejected under 35 U.S.C. 103 as being unpatentable over Cranfill et al. ("Cranfill", US PG-Pub. 2011/0249074 A1) in view of Helms (US PG-Pub. 2011/0252318 A1).

Re-claim 1, Cranfill teaches a computer implemented method for recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of a mobile electronic device, comprising:

providing a gesture based media recording application, said gesture based media recording application, when executed by a processor, managing said graphical user interface of said mobile electronic device and actions associated with said recording of said media data in said one or more of said communication modes on said mobile electronic device (Cranfill, Fig. 12. Cranfill describes the gesture based video conference application that records and streams the video from both conferees. The video conference application is considered as a media recording application that recording the video conference to communicate among conferees. Thus, the video conference is one of the communication mode);

defining a plurality of interface regions on said graphical user interface of said mobile electronic device by said gesture based media recording application, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said gesture based media recording application (Cranfill, Fig. 12, [0238-0240]. Cranfill describes the video conference application defining the menu bar area 1155, the menu options 1246, 1275 that can be in many different layout, locations in a dynamic manner);

detecting a first gesture from among multiple gestures on one of said defined interface regions by said gesture based media recording application (Cranfill, Fig. 12,

[0234, 0235]. Cranfill describes the user touching input on the "Accept" button 1275 is detected to start the video conferencing);

performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said first gesture on said one of said defined interface regions application (Cranfill, Fig. 12, [0234, 0235]. Cranfill describes the video conference is started at the Fourth stage and recording the video);

Cranfill fails to teach dynamically changing, by said gesture based application, one or more of said predefined functions associated with one or more of said defined interface regions adjacent to said one of said defined interface regions based on said detected first gesture on said one of said defined interface regions; detecting a second gesture from among said multiple gestures on one of: said one of said defined interface regions and another one of said defined interface regions, by said gesture based application; and performing a second action, in response to said detection of said second gesture on said one of: said one of said defined interface regions and said another one of said defined interface regions, by said gesture based application.

However, Helms teaches:

dynamically changing, by said gesture based application, one or more of said predefined functions associated with one or more of said defined interface regions adjacent to said one of said defined interface regions based on said detected first gesture on said one of said defined interface regions ("Helms", Fig. 14, [0004]. Helms describes the concept of dynamically changing the graphical user interface with the

subsequent menu selections based on the context defined by one or more first selection);

detecting a second gesture from among said multiple gestures on one of: said one of said defined interface regions and another one of said defined interface regions, by said gesture based application ("Helms", Fig. 14. Helms describes the subsequent user input is received at step 1406); and

performing a second action, in response to said detection of said second gesture on said one of: said one of said defined interface regions and said another one of said defined interface regions, by said gesture based application ("Helms", Fig. 14. Helms describes the selection function is executed at step 1408).

Therefore, it would have been obvious to one having the ordinary skill in the art before the effective filing date of the claimed invention to modify the teachings of Cranfill with the above teachings of Helms in order to provide the subsequent menu for further operation of the application.

Re-claim 2, in addition to what Cranfill-Helms teaches in claim 1, Cranfill also teaches the method, wherein said first action and said second action are at least one of: triggering said recording of said media data, switching from said one of said communication modes to another one of said communication modes for said recording of said media data, canceling said recording of said media data, generating and displaying a plurality of options for performing an operation associated with said recorded media data, and combinations thereof (Cranfill, Fig. 12, [0234, 0235]. Cranfill

describes the first action is triggering the beginning of the video conference recording by selecting the “Accept” button).

Re-claim 3, in addition to what Cranfill-Helms teaches in claim 1, Cranfill also teaches the method, further comprising streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data by said gesture based media recording application (Cranfill, Figs. 10, 12. Cranfill describes the video data of the conference are streaming to a server 1015 via a network continuously while recording).

Re-claim 4, in addition to what Cranfill-Helms teaches in claim 1, Cranfill also teaches the method, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode (Cranfill, Fig.12. Cranfill describes the tap to start the Video conference on “Accept” button 1275, tap to end on “End Conference” button 1287).

Re-claim 5, in addition to what Cranfill-Helms teaches in claim 1, Cranfill also teaches the method, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof (Cranfill, Fig. 12. Cranfill describes the media data is audio data and video data).

Re-claim 6, in addition to what Cranfill-Helms teaches in claim 1, Cranfill also teaches the method, wherein said gestures comprise a drag and drop gesture, a click gesture, a double click gesture, a click and hold gesture, a tap gesture, a tap and hold gesture, a hold and swipe gesture, a touch gesture, a slide gesture, a glide gesture, a scrolling gesture, and any combination thereof (Cranfill, Fig. 12. Cranfill describes the gesture is a touch gesture or a tap gesture).

Re-claim 8, Cranfill-Helms teaches the method in claim 1, but Cranfill fails to teach a method, further comprising dynamically changing said predefined function associated with one of said defined interface regions to another one of said predefined functions by an application based on one or more of application modes and user preferences. However, Helms teaches a method, further comprising dynamically changing said predefined function associated with one of said defined interface regions to another one of said predefined functions by an application based on one or more of application modes and user preferences ("Helms", Fig. 14, [0004]. Helms describes the concept of dynamically changing the graphical user interface with the subsequent menu selections based on the context of user selection preference).

Therefore, it would have been obvious to one having the ordinary skill in the art before the effective filing date of the claimed invention to modify the teachings of Cranfill with the above teachings of Helms in order to provide the subsequent menu for further operation of the application.

Re-claim 10, it is a method claim having similar limitation in scope of claim 1; therefore, it is rejected under similar rationale.

Re-claim 11, in addition to what Cranfill-Helms teaches in claim 10, claim 11 is the method claim having similar limitation in scope of claim 2; therefore, it is rejected under similar rationale.

Re-claim 12, in addition to what Cranfill-Helms teaches in claim 10, claim 12 is the method claim having similar limitation in scope of claim 3; therefore, it is rejected under similar rationale.

Re-claim 13, in addition to what Cranfill-Helms teaches in claim 10, claim 13 is the method claim having similar limitation in scope of claim 4; therefore, it is rejected under similar rationale.

Re-claim 15, in addition to what Cranfill-Helms teaches in claim 10, claim 15 is the method claim having similar limitation in scope of claim 8; therefore, it is rejected under similar rationale.

Re-claim 17, it is a method claim having similar limitation in scope of claim 10; therefore, it is rejected under similar rationale.

Re-claim 18, in addition to what Cranfill teaches in claim 17, Cranfill also teaches the method, wherein said action is at least one of: switching from said one of said communication modes to another one of said communication modes for said recording of said media data, canceling said recording of said media data, generating and displaying a plurality of options for performing an operation associated with said recorded media data, and combinations thereof (Cranfill, Fig. 12, [0238-0240]. Cranfill describes the second action is “end conference” action with gesture on button 1287).

Re-claim 19, in addition to what Cranfill-Helms teaches in claim 17, claim 19 is the method claim having similar limitation in scope of claim 13; therefore, it is rejected under similar rationale.

Re-claim 21, in addition to what Cranfill-Helms teaches in claim 17, claim 21 is the method claim having similar limitation in scope of claim 15; therefore, it is rejected under similar rationale.

Re-claim 22, Cranfill teaches a computer implemented system for recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of a mobile electronic device, said computer implemented system comprising:

at least one processor (Cranfill, Fig. 89. Cranfill describes the processor 8905);

a non-transitory computer readable storage medium communicatively coupled to said at least one processor, said non-transitory computer readable storage medium configured to store said gesture based media recording application (Cranfill, Fig. 89. Cranfill describes the memory 8970); and

other gesture based media recording application's modules performing similar functional limitations in scope of claim 1 taught by Cranfill in view of Helms; therefore, it is rejected under similar rationale.

Re-claim 23, in addition to what Cranfill-Helms teaches in claim 22, claim 23 is the system claim having similar limitation in scope of claim 2; therefore, it is rejected under similar rationale.

Re-claim 24, in addition to what Cranfill-Helms teaches in claim 22, claim 24 is the system claim having similar limitation in scope of claim 3; therefore, it is rejected under similar rationale.

Re-claim 25, in addition to what Cranfill-Helms teaches in claim 22, claim 25 is the system claim having similar limitation in scope of claim 4; therefore, it is rejected under similar rationale.

Re-claim 26, in addition to what Cranfill-Helms teaches in claim 22, claim 26 is the system claim having similar limitation in scope of claim 5; therefore, it is rejected under similar rationale.

Re-claim 28, in addition to what Cranfill-Helms teaches in claim 22, claim 28 is the system claim having similar limitation in scope of claim 8; therefore, it is rejected under similar rationale.

Re-claim 30, it is the system claim having similar limitation in scope of claim 22; therefore, it is rejected under similar rationale.

Re-claim 31, in addition to what Cranfill-Helms teaches in claim 30, claim 31 is the system claim having similar limitation in scope of claim 23; therefore, it is rejected under similar rationale.

Re-claim 32, in addition to what Cranfill-Helms teaches in claim 30, claim 32 is the system claim having similar limitation in scope of claim 24; therefore, it is rejected under similar rationale.

Re-claim 33, in addition to what Cranfill-Helms teaches in claim 30, claim 33 is the system claim having similar limitation in scope of claim 25; therefore, it is rejected under similar rationale.

Re-claim 34, it is the computer program product claim having similar limitation in scope of claims 1 and 5; therefore, it is rejected under similar rationale.

Re-claim 35, in addition to what Cranfill-Helms teaches in claim 34, claim 35 is the computer program product claim having similar limitation in scope of claim 2; therefore, it is rejected under similar rationale.

Re-claim 37, in addition to what Cranfill-Helms teaches in claim 34, claim 37 is the computer program product claim having similar limitation in scope of claim 8; therefore, it is rejected under similar rationale.

Re-claim 39, in addition to what Cranfill-Helms teaches in claim 34, claim 39 is the computer program product claim having similar limitation in scope of claim 3; therefore, it is rejected under similar rationale.

Re-claim 40, in addition to what Cranfill-Helms teaches in claim 34, claim 40 is the computer program product claim having similar limitation in scope of claim 4; therefore, it is rejected under similar rationale.

Claims 9, 16, 29 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cranfill in view of Helms, and further in view of Huang et al. ("Huang", US PG-Pub. 2007/0296552 A1).

Re-claim 9, Cranfill-Helms teaches the method in claim 1, but Cranfill fails to teach a method, further comprising configuring predefined functions for one or more of said defined interface regions based on user preferences by said gesture based media recording application. However, Huang teaches a method, further comprising configuring predefined functions for one or more of said defined interface regions based on user preferences by said gesture based media recording application (Huang, [0095]. Huang describes user can assign functions to the blank keys/iconic location on universal remote control by drag and drop action).

Therefore, it would have been obvious to one having the ordinary skill in the art before the effective filing date of the claimed invention to modify the teachings of modified Cranfill with the above teachings of Huang in order to customize the UI menu item as user desire.

Re-claim 16, in addition to what Cranfill-Helms teaches in claim 10, claim 16 is the method claim having similar limitation in scope of claim 9; therefore, it is rejected under similar rationale.

Re-claim 29, in addition to what Cranfill-Helms teaches in claim 22, claim 29 is the system claim having similar limitation in scope of claim 9; therefore, it is rejected under similar rationale.

Re-claim 38, in addition to what Cranfill-Helms teaches in claim 34, claim 38 is the computer program product claim having similar limitation in scope of claim 9; therefore, it is rejected under similar rationale.

Response to Arguments

Applicant's arguments filed on 12/02/2016 with respect to claims 1, 10, 17, 22, 30 and 34 have been considered but are moot in view of the new ground(s) of rejection and explained in details in the claim rejection above.

Conclusion

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 TUAN S. NGUYEN whose telephone number is (571)270-7612. The examiner can normally be reached on Monday through Friday, 8:00AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, RADTKE A. MARK can be reached on 303-297-4251. 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.

/TUAN S NGUYEN/
Primary Examiner, Art Unit 2145

Electronic Acknowledgement Receipt

EFS ID:	29614115
Application Number:	14051735
International Application Number:	
Confirmation Number:	3926
Title of Invention:	Multi-gesture Media Recording System
First Named Inventor/Applicant Name:	Kieraj Singh Mumick
Correspondence Address:	Ashok Tankha - 36 Greenleigh Drive - Sewell NJ 08080 US 856-266-5145 ash@ipprocure.com
Filer:	Ashok Tankha
Filer Authorized By:	
Attorney Docket Number:	KIRU-14NP-US
Receipt Date:	26-JUN-2017
Filing Date:	11-OCT-2013
Time Stamp:	23:23:26
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$900

RAM confirmation Number	062717INTEFSW23265300
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	Transmittal Letter	KIRU-14NP-US_Transmittal_Letter.pdf	24040 47fe8a1b14f6a27f00786769863df424d5526fdf	no	2
Warnings:					
Information:					
2	Response After Final Action	KIRU-14NP-US_Response.pdf	99516 e29f6c5f57682f5ad7cd29629022 4c4e51911283	no	32
Warnings:					
Information:					
3	Request for Continued Examination (RCE)	KIRU-14NP-US_RCE.pdf	697609 d8ba9afd71043f67183a1f68017f5716fb0799f3	no	3
Warnings:					
Information:					
4	Extension of Time	KIRU-14NP-US_aia0022.pdf	162771 523e07fefce162cd17aa2a6b69c8a6c3c1212b7c	no	2
Warnings:					
Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	32180 4b483c792cfcf953e77046bcb2f168ec76a0f429	no	2
Warnings:					
Information:					

Total Files Size (in bytes):	1016116

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.

Electronic Patent Application Fee Transmittal

Application Number:	14051735
Filing Date:	11-Oct-2013
Title of Invention:	Multi-gesture Media Recording System
First Named Inventor/Applicant Name:	Kieraj Singh Mumick
Filer:	Ashok Tankha
Attorney Docket Number:	KIRU-14NP-US

Filed as Small 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 - 2 months with $0 paid	2252	1	300	300
Miscellaneous:				
RCE- 1st Request	2801	1	600	600
		Total in USD ($)		**900**

Amendment to claims

Claim 1 (currently amended): A computer implemented method for performing actions associated with recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of a mobile electronic device, comprising:

providing a gesture based media recording application, said gesture based media recording application, when executed by a processor, managing said graphical user interface of said mobile electronic device and actions associated with said recording of said media data in said one or more of said communication modes on said mobile electronic device;

defining a plurality of interface regions on said graphical user interface of said mobile electronic device by said gesture based media recording application, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said gesture based media recording application;

detecting a first gesture from among multiple gestures on a first defined interface region [[one]] of said defined interface regions by said gesture based media recording application;

performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said first gesture on said first defined interface region ~~one of said defined interface regions~~;

dynamically changing, by said gesture based media recording application, ~~one or more of~~ said predefined functions associated with said first defined interface region and one or more of said defined interface regions adjacent to said first

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defined interface region ~~one of said defined interface regions~~ based on said detected first gesture on said first defined interface region ~~one of said defined interface regions~~;

detecting a second gesture from among said multiple gestures on one of: said first defined interface region and one or more ~~one~~ of said defined interface regions adjacent to said first defined interface region ~~and another one of said defined interface regions,~~ by said gesture based media recording application; and

performing a second action, in response to said detection of said second gesture on ~~said one of:~~ said one of said defined interface regions ~~and said another one of said defined interface regions~~, by said gesture based media recording application.

Claim 2 (previously presented): The computer implemented method of claim 1, wherein said first action and said second action are at least one of:

triggering said recording of said media data;

switching from said one of said communication modes to another one of said communication modes for said recording of said media data;

canceling said recording of said media data; and

generating and displaying a plurality of options for performing an operation associated with said recorded media data.

Claim 3 (previously presented): The computer implemented method of claim 1, further comprising streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data by said gesture based media recording application.

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Claim 4 (previously presented): The computer implemented method of claim 1, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

Claim 5 (previously presented): The computer implemented method of claim 1, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof.

Claim 6 (previously presented): The computer implemented method of claim 1, wherein said gestures comprise a drag and drop gesture, a click gesture, a double click gesture, a click and hold gesture, a tap gesture, a tap and hold gesture, a hold and swipe gesture, a touch gesture, a slide gesture, a glide gesture, a scrolling gesture, and any combination thereof.

Claim 7 (canceled).

Claim 8 (currently amended): The computer implemented method of claim 1, further comprising dynamically changing said predefined functions ~~function~~ associated with said one of said first defined interface region and said one or more of said defined interface regions ~~to another one of said predefined functions~~ by said gesture based media recording application based on one or more of said communication modes and user preferences.

Claim 9 (previously presented): The computer implemented method of claim 1, further comprising configuring said predefined functions for said one or more of said defined interface regions based on user preferences by said gesture based media recording application.

Claim 10 (currently amended): A computer implemented method for performing actions associated with recording media ~~audio~~ data in one or more of a plurality of

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communication modes based on one or more gestures on a graphical user interface of a mobile electronic device, comprising:

providing a gesture based media ~~audio~~ recording application, said gesture based media ~~audio~~ recording application, when executed by a processor, managing said graphical user interface of said mobile electronic device and actions associated with said recording of said media ~~audio~~ data in said one or more of said communication modes on said mobile electronic device;

defining a plurality of interface regions on said graphical user interface of said mobile electronic device by said gesture based media ~~audio~~ recording application, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said gesture based media ~~audio~~ recording application;

detecting a first gesture from among multiple gestures on [[one]] a first defined interface region of said defined interface regions by said gesture based media ~~audio~~ recording application;

performing a first action associated with said recording of said media ~~audio~~ data in one of said communication modes by said gesture based media ~~audio~~ recording application, on said detection of said first gesture on said first defined interface region ~~one of said defined interface regions~~; and

dynamically changing, by said gesture based media ~~audio~~ recording application, ~~one or more of~~ said predefined functions associated with one or more of said defined interface regions adjacent to said first defined interface region ~~one of said defined interface regions~~ based on said detected first gesture on said first defined interface region. ~~one of said defined interface regions;~~

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~~detecting a second gesture from among said multiple gestures on one of: said one of said defined interface regions and another one of said defined interface regions, by said gesture based audio recording application; and~~

~~performing a second action, in response to said detection of said second gesture on said one of: said one of said defined interface regions and said another one of said defined interface regions, by said gesture based audio recording application~~.

Claim 11 (currently amended): The computer implemented method of claim 10, wherein said first action and said second action are at least one of:

triggering said recording of said media ~~audio~~ data;

switching from said one of said communication modes to another one of said communication modes for said recording of said media ~~audio~~ data;

canceling said recording of said media ~~audio~~ data; and

generating and displaying a plurality of options for performing an operation associated with said recorded media ~~audio~~ data.

Claim 12 (currently amended): The computer implemented method of claim 10, further comprising streaming said media ~~audio~~ data to a server via a network at one of: (a) continuously while recording said media ~~audio~~ data, (b) at predefined time intervals after initiation of said recording of said media ~~audio~~ data, and (c) after completion of said recording of said media ~~audio~~ data by said gesture based media ~~audio~~ recording application.

Claim 13 (previously presented): The computer implemented method of claim 10, wherein said communication modes comprise a push to talk communication mode, a tap

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to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

Claim 14 (canceled).

Claim 15 (currently amended): The computer implemented method of claim 10, further comprising dynamically changing said predefined functions ~~function~~ associated with said one of said first defined interface region ~~defined interface regions to another one of said predefined functions~~ by said gesture based media ~~audio~~ recording application based on one or more of said communication modes and user preferences.

Claim 16 (currently amended): The computer implemented method of claim 10, further comprising configuring said predefined functions for said one or more of said defined interface regions based on user preferences by said gesture based media ~~audio~~ recording application.

Claim 17 (currently amended): A computer implemented method for recording audio data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of a mobile electronic device, comprising:

providing a gesture based audio recording application, said gesture audio recording application, when executed by a processor, managing said graphical user interface of said mobile electronic device and trigger said recording of said audio data in said one or more of said communication modes on said mobile electronic device;

defining a plurality of interface regions on said graphical user interface of said mobile electronic device by said gesture based audio recording application, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said gesture based audio recording application;

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detecting a first gesture from among multiple gestures on a first defined interface region [[one]] of said defined interface regions by said gesture based audio recording application;

triggering recording of said audio data in one of said communication modes by said gesture based audio recording application, on said detection of said first gesture on said first defined interface region ~~one of said defined interface regions~~;

dynamically changing, by said gesture based audio recording application, ~~one or more of~~ said predefined functions associated with one or more of said defined interface regions adjacent to said first defined interface region ~~one of said defined interface regions~~ based on said detected first gesture on said first defined interface region ~~one of said defined interface regions~~;

detecting a second gesture from among said multiple gestures on ~~one of: said~~ one of said defined interface regions ~~and another one of said defined interface regions~~ by said gesture based audio recording application; and

performing an action, in response to said detection of said second gesture on said ~~one of: said~~ one of said defined interface regions ~~and said another one of said defined interface regions~~, by said gesture based audio recording application.

Claim 18 (previously presented): The computer implemented method of claim 17, wherein said action is at least one of:

switching from said one of said communication modes to another one of said communication modes for recording said audio data in said another one of said communication modes;

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canceling said recording of said audio data in one of said communication modes; and

generating and displaying a plurality of options for performing an operation associated with said recorded audio data.

Claim 19 (previously presented): The computer implemented method of claim 17, wherein said communication modes comprise a press and hold communication mode and a tap to start communication mode.

Claim 20 (canceled).

Claim 21 (currently amended): The computer implemented method of claim 17, further comprising dynamically changing said predefined functions ~~function~~ associated with said one of said first defined interface region and said one or more of said defined interface regions ~~to another one of said predefined functions~~ by said gesture based audio recording application based on one or more of said communication modes and user preferences.

Claim 22 (currently amended): A computer implemented system for performing actions associated with recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of a mobile electronic device, said computer implemented system comprising:

at least one processor;

a non-transitory computer readable storage medium communicatively coupled to said at least one processor, said non-transitory computer readable storage medium configured to store said gesture based media recording application;

a gesture based media recording application that when executed by a processor, managing said graphical user interface of said mobile electronic device and

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actions associated with said recording of said media data in said one or more of said communication modes on said mobile electronic device, said gesture based media recording application comprising:

an interface definition module configured to define a plurality of interface regions on said graphical user interface of said mobile electronic device, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said interface definition module;

a detection module configured to detect a first gesture from among multiple gestures on a first defined interface region [[one]] of said defined interface regions;

an action management module configured to perform a first action associated with said recording of said media data in one of said communication modes, on said detection of said first gesture on said first defined interface region ~~one of said defined interface regions~~;

said interface definition module configured to dynamically change ~~one or more of~~ said predefined functions associated with said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region ~~one of said defined interface regions~~ based on said detected first gesture on said first defined interface region ~~one of said defined interface regions~~;

said detection module further configured to detect a second gesture from among said multiple gestures on one of: said first defined interface region and one or more ~~one~~ of said defined interface regions adjacent to said first defined interface region ~~and another one of said defined interface regions~~; and

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said action management module configured to perform a second action, in response to said detection of said second gesture on ~~said one of:~~ said one of said defined interface regions ~~and said another one of said defined interface regions~~.

Claim 23 (previously presented): The computer implemented system of claim 22, wherein said first action and said second action are at least one of:

triggering said recording of said media data;

switching from said one of said communication modes to another one of said communication modes for said recording of said media data;

canceling said recording of said media data; and

generating and displaying a plurality of options for performing an operation associated with said recorded media data.

Claim 24 (previously presented): The computer implemented system of claim 22, wherein said gesture based media recording application further comprises a media recording module configured to stream said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data.

Claim 25 (previously presented): The computer implemented system of claim 22, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

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Claim 26 (previously presented): The computer implemented system of claim 22, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof.

Claim 27 (canceled).

Claim 28 (currently amended): The computer implemented system of claim 22, wherein said interface definition module is further configured to dynamically change said predefined functions ~~function~~ associated with said one of said first defined interface region and said one or more of said defined interface regions ~~to another one of said predefined functions~~ based on one or more of said communication modes and user preferences.

Claim 29 (previously presented): The computer implemented system of claim 22, wherein said interface definition module is further configured to configure predefined functions for one or more of said defined interface regions based on user preferences.

Claim 30 (currently amended): A computer implemented system for performing actions associated with recording media ~~audio~~ data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of a mobile electronic device, said computer implemented system comprising:

at least one processor;

a non-transitory computer readable storage medium communicatively coupled to said at least one processor, said non-transitory computer readable storage medium configured to store a [[said]] gesture based media ~~audio~~ recording application; and

said [[a]] gesture based media ~~audio~~ recording application that when executed by a processor, managing said graphical user interface of said mobile electronic

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device and actions associated with said recording of said media ~~audio~~ data in said one or more of said communication modes on said mobile electronic device, said gesture based media ~~audio~~ recording application comprising:

an interface definition module configured to define a plurality of interface regions on said graphical user interface of said mobile electronic device, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said interface definition module;

a detection module configured to detect a first gesture from among multiple gestures on a first defined interface region [[one]] of said defined interface regions;

an action management module configured to perform a first action associated with said recording of said media ~~audio~~ data in one of said communication modes, on said detection of said first gesture on said first defined interface region ~~one of said defined interface regions~~; and

said interface definition module configured to dynamically change ~~one or more of~~ said predefined functions associated with one or more of said defined interface regions adjacent to said first defined interface region ~~one of said defined interface regions~~ based on said detected first gesture on said first defined interface region. ~~one of said defined interface regions~~;

~~said detection module further configured to detect a second gesture from among said multiple gestures on one of: said one of said~~

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~~defined interface regions and another one of said defined interface regions; and~~

~~said action management module configured to perform a second action, in response to said detection of said second gesture on said one of: said one of said defined interface regions and said another one of said defined interface regions.~~

Claim 31 (currently amended): The computer implemented system of claim 30, wherein said first action and said second action are at least one of:

triggering said recording of said media ~~audio~~ data;

switching from said one of said communication modes to another one of said communication modes for said recording of said media ~~audio~~ data;

canceling said recording of said media ~~audio~~ data; and

generating and displaying a plurality of options for performing an operation associated with said recorded media ~~audio~~ data.

Claim 32 (currently amended): The computer implemented system of claim 30, wherein said gesture based media ~~audio~~ recording application further comprises a media recording module configured to stream said media ~~audio~~ data to a server via a network at one of: (a) continuously while recording said media ~~audio~~ data, (b) at predefined time intervals after initiation of said recording of said media ~~audio~~ data, and (c) after completion of said recording of said media ~~audio~~ data.

Claim 33 (previously presented): The computer implemented system of claim 30, wherein said communication modes comprise a push to talk communication mode, a tap

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to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

Claim 34 (currently amended): A computer program product comprising a non-transitory computer readable storage medium, said non-transitory computer readable storage medium storing computer program codes that comprise instructions executable by at least one processor, said computer program codes comprising:

a first computer program code for defining a plurality of interface regions on a graphical user interface of a mobile electronic device;

a tenth computer program code for associating each of said defined interface regions with a predefined function from among a plurality of predefined functions;

a second computer program code for detecting a first gesture from among multiple gestures on a first defined interface region [[one]] of said defined interface regions;

a third computer program code for performing a first action associated with recording of media data in one of a plurality of communication modes, on said detection of said first gesture on said first defined interface region ~~one of said defined interface regions~~, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof;

a fourteenth computer program for dynamically changing ~~one or more of~~ said predefined functions associated with said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region ~~one or more of said defined interface regions~~ based on said detected first gesture on said first defined interface region ~~one of said defined interface regions~~;

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a fourth computer program code for detecting a second gesture from among said multiple gestures on one of: said first defined interface region and one or more ~~one~~ of said defined interface regions adjacent to said first defined interface region ~~and another one of said defined interface regions~~; and

a fifth computer program code for performing a second action, in response to said detection of said second gesture on ~~said one of:~~ said one of said defined interface regions ~~and said another one of said defined interface regions~~.

Claim 35 (previously presented): The computer program product of claim 34, wherein said third computer program code and said fifth computer program code comprise at least one of:

a sixth computer program code for triggering said recording of said media data;

a seventh computer program code for switching from said one of said communication modes to another one of said communication modes for said recording of said media data;

an eighth computer program code for canceling said recording of said media data; and

a ninth computer program code for generating and displaying a plurality of options for performing an operation associated with said recorded media data.

Claim 36 (canceled).

Claim 37 (currently amended): The computer program product of claim 34, wherein said computer program codes further comprise an eleventh computer program code for dynamically changing said predefined functions ~~function~~ associated with said one of said first defined interface region and said one or more of said defined interface regions ~~to~~

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~~another one of said predefined functions~~ based on one or more of said communication modes and user preferences.

Claim 38 (previously presented): The computer program product of claim 34, wherein said computer program codes further comprise a twelfth computer program code for configuring predefined functions for one or more of said defined interface regions based on user preferences.

Claim 39 (previously presented): The computer program product of claim 34, wherein said computer program codes further comprise a thirteenth computer program code for streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data.

Claim 40 (previously presented): The computer program product of claim 34, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

Claim 41 (new): A computer program product comprising a non-transitory computer readable storage medium, said non-transitory computer readable storage medium storing computer program codes that comprise instructions executable by at least one processor, said computer program codes comprising:

a first computer program code for defining a plurality of interface regions on a graphical user interface of a mobile electronic device;

a tenth computer program code for associating each of said defined interface regions with a predefined function from among a plurality of predefined functions;

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a second computer program code for detecting a first gesture from among multiple gestures on a first defined interface region of said defined interface regions;

a third computer program code for performing a first action associated with recording of media data in one of a plurality of communication modes, on said detection of said first gesture on said first defined interface region, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof; and

a fourteenth computer program for dynamically changing said predefined functions associated with one or more of said defined interface regions adjacent to said first defined interface region based on said detected first gesture on said first defined interface region.

Claim 42 (new): The computer program product of claim 41, further comprising:

a fourth computer program code for detecting a second gesture from among said multiple gestures on one of said defined interface regions; and

a fifth computer program code for performing a second action, in response to said detection of said second gesture on said one of said defined interface regions.

Claim 43(new): The computer implemented method of claim 10, further comprising:

detecting a second gesture from among said multiple gestures on one of said defined interface regions by said gesture based media recording application; and

performing a second action, in response to said detection of said second gesture on said one of said defined interface regions, by said gesture based media recording application.

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Claim 44(new): The computer implemented system of claim 30, further comprising:

said detection module further configured to detect a second gesture from among said multiple gestures on one of said defined interface regions; and

said action management module configured to perform a second action, in response to said detection of said second gesture on said one of said defined interface regions.

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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
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REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	14/051,735	Filing Date	2013-10-11	Docket Number (if applicable)	KIRU-14NP-US	Art Unit	2145
First Named Inventor	Kieraj Singh Mumick			Examiner Name	Nguyen, Tuan S		

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 orde 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 600314

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

X Patent Practitioner Signature

Applicant Signature

EFS - Web 2.1.15

PTO/SB/30EFS (07-09)
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Signature of Registered U.S. Patent Practitioner			
Signature	/a tankha/	Date (YYYY-MM-DD)	2017-06-26
Name	Ashok Tankha	Registration Number	33802

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
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
estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Tim
will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions f
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 informatio 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 ma 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.

PTO/AIA/22 (03-13)
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PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)

Docket Number (Optional): KIRU-14NP-US

Application Number: 14/051,735

Filed: 10/11/2013

For: Multi-gesture Media Recording System

Art Unit: 2145

Examiner: Nguyen, Tuan S

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	$ 300
☐ 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 600314.

☐ 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 33802.

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

/a tankha/ — Signature

06/26/2017 — Date

Ashok Tankha — Typed or printed name

856-266-5145 — 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 _____ 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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:
Kieraj Singh Mumick
Application No.: 14/051,735
Filed: 10/11/2013
Applicant: Kirusa Inc.
Title: Multi-gesture Media Recording System

Examiner: Nguyen, Tuan S
Art Unit: 2145
Atty. Docket No: KIRU-14NP-US

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

TRANSMITTAL LETTER

1. **Attachments:** We are transmitting herewith the attached papers for the above identified patent application:

- **Response to office action (32 pages)**;
- **Request for continued examination (RCE), Form PTO/SB/30; and**
- **Petition for extension of time under 37 CFR 1.136(a), Form PTO/AIA/22.**

2. **Fees:**

a. **$600** fee for RCE, first request; and
b. **$300** for 2 months extension of time (Small entity fee).

3. **General Authorization to charge or credit fees:** The Director is hereby authorized to charge any underpayment of fee or any other fee that may be required to deposit account # **600314**.

4. **Certificate Of Transmission Under 37 § CFR 1.8**: The undersigned hereby certifies that this Transmittal Letter and the papers as described in paragraph 1 hereinabove, are being electronically transmitted to the United States Patent and Trademark Office **via the USPTO electronic filing system** on this **26th** day of **June 2017.**

Respectfully submitted,

Date: June 26, 2017

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:
Kieraj Singh Mumick
Application No.: 14/051,735
Filed: 10/11/2013
Applicant: Kirusa Inc.
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Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Request for continued examination

Examiner Nguyen:

In response to the final office action mailed on January 26, 2017, please amend the above-referenced application as follows:

Amendment to claims begins on page 2 of this response.

Remarks begin on page 20 of this response.

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Remarks

The Pending Claims

Claims 1-44 are currently pending. Reconsideration and allowance of the pending claims is respectfully requested.

Summary of the Office Action

Claim Rejections - 35 USC § 103

Claims 1-6, 8, 10-13, 15, 17-19, 21-26, 28-35, 37, 39 and 40 are rejected under 35 U.S.C. 103 as being unpatentable over Cranfill et al., US 2011/0249074 (hereinafter "Cranfill") in view of US 2011/0252318 A1 (hereinafter referred as "Helms").

Claims 9, 16, 29 and 38 are rejected under 35 U.S.C. 103 as being unpatentable over Cranfill et al., US 2011/0249074 (hereinafter "Cranfill") in view of US 2011/00252318 A1 (hereinafter referred as "Helms"), and further in view of Huang et al., US 2007/0296552 A1 (hereinafter referred as "Huang").

Amendment to the claims

Claims 1, 8, 10, 11, 12, 15-17, 21, 22, 28, 30-32, 34 and 37 are currently amended; claims 2-6, 9, 13, 18, 19, 23-26, 29, 33, 35 and 38-40 remain as previously presented; claims 7, 14, 20, 27 and 36 remain canceled; and claims 41-44 are newly added.

Support for the limitation: "detecting a first gesture from among multiple gestures on a first defined interface region of said defined interface regions" in amended claims 1, 10, 17, 22, 30 and 34 is found in paragraphs' [0033], [0034] and [0038] of the applicant's original specification. No new subject matter is entered in amended claims 1, 10, 17, 22, 30 and 24.

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Support for the limitation: "performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said first gesture on said first defined interface region" in amended claims 1, 10, 22, 30 and 34 is found in paragraphs' [0033], [0034] and [0038] of the applicant's original specification. No new subject matter is entered in amended claims 1, 10, 22, 30 and 34.

Support for the limitation: "dynamically changing, by said gesture based media recording application, said predefined functions associated with said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region based on said detected first gesture on said first defined interface region" in amended claims 1, 22, and 34 is found in paragraphs' [0033], [0034] and [0038], and FIGS. 3A-3D, 4A-4D of the applicant's original specification. No new subject matter is entered in amended claims 1, 22, and 34.

Support for the limitation: "dynamically changing, by said gesture based media recording application, said predefined functions associated with one or more of said defined interface regions adjacent to said first defined interface region based on said detected first gesture on said first defined interface region" in amended claims 1, 10, 17, 22, 30 and 34 is found in paragraphs' [0033], [0034] and [0038] of the applicant's original specification. No new subject matter is entered in amended claims 1, 10, 17, 22, 30 and 24.

Support for the new claims 41 and 42 are found in claims 10 and 34 of applicant's original application. No new subject matter is entered in the new claims 41 and 42.

Support for the new claims 43 and 44 are found in claims 10 and 30 of applicant's original application. No new subject matter is entered in the new claims 43 and 44.

Response to rejections

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The office action states: "**Claims 1-6, 8, 10-13, 15, 17-19, 21-26, 28-35, 37, 39 and 40 are rejected under 35 U.S.C. 103 as being unpatentable over Cranfill in view of Helms.**"

In response to the above rejection, applicant respectfully submits that Cranfill in view of Helms does not teach or suggest all the limitations of applicant's amended claim 1.

Amended claim 1 discloses a method for recording media data in one or more of a plurality of communication modes. Examples of communication modes for recording the media data comprise a push to talk (PTT) communication mode, a release to record (RTR) communication mode, and a tap to end (TTE) communication mode. Moreover, the method of recording media data in the one or more communication modes is based on one or more gestures on a graphical user interface **302** of a mobile electronic device **303**. The method begins by providing a gesture based media recording application **801** configured to manage the graphical user interface **302** of the mobile electronic device **303** and actions associated with the recording of said media data in the communication modes on the mobile electronic device **303**. Further, a plurality of interface regions is defined on the graphical user interface **302** of said mobile electronic device **303** by said gesture based media recording application **801**. Each of the defined interface regions is associated with a predefined function from among a plurality of predefined functions on the graphical user interface **302** by said gesture based media recording application **801**.

Furthermore, a first gesture from among multiple gestures is detected on a first defined interface region of the defined interface regions by the gesture based media recording application **801.** A first action associated with the recording of the media data in one of the communication modes is performed by the gesture based media recording application **801**. Thereafter, the predefined functions associated with the first defined interface regions and one or more of the defined interface regions adjacent to the first defined interface region are dynamically changed by the gesture based media recording application **801** based on the detected first gesture on the first defined interface region. A

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second gesture from among said multiple gestures is detected on one of the first defined interface region and the one or more of the defined interface regions by the gesture based media recording application **801**. Accordingly, a second action associated with said recording of said media data is performed, in response to the detection of the second gesture on the one of the defined interface regions by the gesture based media recording application **801**.

In the limitation: "dynamically changing, by said gesture based media recording application, said predefined functions associated with said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region based on said detected first gesture on said first defined interface region" in amended claim 1, applicant claims that the gesture based media recording application dynamically changes the predefined functions associated with the first defined interface region where the first gesture was detected, and one or more defined interface regions adjacent to the first defined interface region.

Page 4 of the office action states that FIG. 14 and paragraph [0004] of Helms teaches dynamically changing one or more of said predefined functions associated with one or more of said defined interface regions adjacent to said one of said defined interface regions based on said detected first gesture on said one of said defined interface regions". Applicant respectfully disagrees and submits that FIG. 14 and paragraph [0004] of Helms does not teach the above limitation. Helms does not teach or suggest that the one or more predefined functions associated with the first defined interface region and one or more of defined interface regions adjacent to the first defined interface region, dynamically change(s) when a first gesture is performed on the first defined interface region.

In contrast, Helms teaches, *inter alia*, that a user can select one or more items in a graphical user interface on a computer running software (see paragraph [0056], Helms). The one or more items selected define the context. Thereafter, the computer sends the selected data to a connected wireless touch screen device for displaying one or more

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commands corresponding to the received context. Further, the user inputs one of the commands and the user input is sent to the computer for executing the commands selected by the user.

Furthermore, Helms only provides subsequent menu selections upon receiving context information via a computer running the software related to the musical arrangement (see paragraph [0024], Helms). In contrast, applicant's claim recites dynamically changing the one or more predefined functions associated with adjacent neighboring interface regions upon detecting a gesture on an interface region (the first defined interface region) within the mobile electronic device of the user.

In the limitation: "detecting a second gesture from among said multiple gestures on one of said first defined interface region and one or more of said defined interface regions by said gesture based media recording application" in claim 1, applicant claims that a second gesture is detected by the gesture based media recording application at one of the first defined interface region, and one or more of the defined interface regions where the first gesture was detected.

Page 5 of the office action states that FIG. 14 of Helms describes the subsequent user input is received at step **1406**. Applicant respectfully disagrees and submits that FIG. 14 of Helms does not teach applying a second gesture from among multiple gestures on the one of defined interface regions.

In contrast, Helms teaches, *inter alia*, a method of communicatively coupling a wireless touch screen device and a computer running software. Helms teaches receiving data from a computer **1402** indicating a context defined by one or more selections made by a user in a graphical user interface (see [0056], Helms). Applicant submits there is no computer that runs software for providing context to the wireless touch screen device in the applicant's original application. Moreover, applicant's original application teaches that the dynamic changes of the neighboring interface regions are based on a type of

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gesture being applied by the user on an interface region on the user's mobile electronic device.

The second gesture being applied by the user includes a gesture from multiple gestures such as drag and drop, click, double click, click and hold, tap, tap and hold, hold and swipe, touch, glide, or scrolling, which can be same as the first gesture or different from the first gesture. Further, the second gesture applied can be at the same interface region (first defined interface region) where the first gesture was detected, or another interface region different from the first defined interface region where the first gesture was applied.

Furthermore, applicant teaches a gesture based media recording application. In contrast, Cranfill teaches modifying a composite display of a first mobile display that is engaged in a video conference with a second device and the like. Also, in contrast, Helms teaches a Smartphone with a touch-sensitive display to function as a remote control device for a computer running a software application (see paragraph [0024] of Helms). Accordingly applicant submits that Cranfill and Helms relate to applications different from applicant's application.

Therefore, applicant submits that even if both Cranfill and Helms are combined as suggested in the office action, there is no reasonable expectation of success in arriving at the following limitations in applicant's amended claim 1:

> "dynamically changing, by said gesture based media recording application, said predefined functions associated with said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region based on said detected first gesture on said first defined interface region;
>
> detecting a second gesture from among said multiple gestures on said one of said first defined interface region and said one or more of said defined interface regions by said gesture based media recording application;

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performing a second action in response to said detection of said second gesture on said one of said defined interface regions, by said gesture based media recording application."

For the reasons presented above, applicant submits that claim 1 is non-obvious over Cranfill in view of Helms and respectfully requests that the rejection of claim 1 under 35 U.S.C. 103 be reconsidered and withdrawn.

Independent claims 10, 17, 22 and 34 are analogous to claim 1 and recite limitations similar to claim 1. Since claim 1 is non-obvious over Cranfill in view of Helms, applicant submits that the claims 10, 17, 22 and 34 are also non-obvious over Cranfill in view of Helms. Therefore, applicant respectfully requests that the rejection of claims 10, 17, 22 and 34 under 35 U.S.C. 103 be reconsidered and withdrawn.

Applicant's claim 2 recites "wherein said first action and said second action are at least one of: triggering said recording of said media data; switching from said one of said communication modes to another one of said communication modes for said recording of said media; canceling said recording of said media data; and generating and displaying a plurality of options for performing an operation associated with said recorded media data". Applicant discloses that the first action and the second action may include an operation such as triggering recording, switching from one communication mode to another, and the like.

Page 5 of the office action states that FIG. 12, and paragraphs [0234] and [0235] of Cranfill teach all the limitations of claim 2. Applicant respectfully disagrees and submits that Cranfill does not teach all the limitations of claim 2.

In contrast to the limitations recited in claim 2, Cranfill teaches, *inter alia*, an accept button 1275 which a user can use to start a video conferencing with another user who has sent a video conferencing request and an end button 1246 which a user may use

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to decide not to join the video conference (see FIG. 12, paragraphs' [0234] and [0235] of Cranfill). Applicant teaches a gesture based media recording application which can switch from one communication mode to another based on a type of gesture (i.e., first gesture or second gesture). Cranfill's video conferencing application does not teach a gesture based media recording application which can switch from one communication mode to another based on a type of gesture. Furthermore, Cranfill does not provide options for performing an operation associated with the recorded media data.

Also, in contrast, Helms teaches, *inter alia*, that the transport control 208 contains commands for record, rewind, forward, play, cycle region, and other information such as playhead position. Applicant submits that Helms does not teach multiple gestures being used for switching from one communication mode to another for recording the media data. For example, switching from press to talk (PTT) communication mode to release to record (RTR) communication mode or tap to start (TTS) communication mode, and the like.

Therefore, applicant respectfully requests the rejection of claim 2 under 35 U.S.C. 103 to be reconsidered and withdrawn.

Also, since independent claims 10, 17, 22 and 34 are novel and not obvious over Cranfill in view of Helms, dependent claims 11, 18, 23 and 35 which are analogous to claim 2 are also not obvious over Cranfill in view of Helms. Therefore, applicant respectfully requests that the rejection of claims 11, 18, 23 and 35 under 35 U.S.C. 103 be reconsidered and withdrawn.

Applicant's claim 3 recites "further comprising streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data by said gesture based media recording application". Applicant discloses that the method of claim 1 further comprises streaming of media data to a server via a network at one of the options (a), (b) or (c) recited above.

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Page 6 of the office action states that FIGS. 10 and 12 of Cranfill describes that the video data of the conference are streaming to a server 1015 via a network continuously while recording. Applicant respectfully disagrees and submits that Cranfill does not teach all the limitations of claim 3.

In contrast, Cranfill merely teaches, *inter alia*, that the video conference server **1015** initiates the transmission of the video conference upon acceptance of request by the video conference client **1025** from the video conference client **1010**. Cranfill does not teach that the streaming includes continuously recording, or recording at predefined time intervals, or after completion as recited in applicant's claim 3.

Also, in contrast, Helms teaches, *inter alia*, transport control 208 which includes commands to record, rewind, forward, play and the like. However, Helms does not teach that it facilitates streaming of media data to a server via a network while continuously recording the media data or at predefined time intervals or after completion of the recording as disclosed in applicant's original application.

Therefore, applicant respectfully requests the rejection of claim 3 under 35 U.S.C. 103 to be reconsidered and withdrawn.

Also, since independent claims 10, 17, 22 and 34 are novel and not obvious over Cranfill in view of Helms, dependent claims 12, 24, 32 and 39 which are analogous to claim 2 are also not obvious over Cranfill in view of Helms. Therefore, applicant respectfully requests that the rejection of claims 12, 24, 32 and 39 under 35 U.S.C. 103 be reconsidered and withdrawn.

Applicant's claim 8 recites "further comprising dynamically changing said predefined functions associated with said one of said first defined interface region and said one or more of said defined interface regions by said gesture based media recording application based on one or more of said communication modes and user preferences".

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Applicant discloses that dynamically changing the predefined functions associated with the defined interface regions are based on the communication modes and user preferences.

Page 7 of the office action states that FIG. 14 and paragraph [0004] of Helms describes the concept of dynamically changing the graphical user interface with the subsequent menu selections based on the context of user selection preference. Applicant respectfully disagrees and submits that Helms does not teach or suggest all the limitations of claim 8.

Applicant does not disclose a computer that runs software for providing context to the wireless touch screen device. In contrast to the limitation recited in claim 8, Helms teaches, *inter alia*, a method of communicatively coupling a wireless touch screen device and a computer running software. Helms teaches receiving data from a computer **1402** indicating a context defined by one or more selections made by a user in a graphical user interface (see [0056], Helms).

Applicant teaches about dynamically changing predefined functions associated with the first defined interface region or the one or more defined interface regions adjacent to the first defined interface region. Helms do not teach or suggest about changing predefined functions associated with a first defined interface regions or one or more defined interface regions adjacent to the first defined interface region. Moreover, the predefined functions change based on a gesture being applied from among multiple gestures (e.g., first gesture, second gesture etc.), and also, based on one or more of said communication modes and user preferences as claimed in claim 8 of the applicant's original application. Therefore, it should be noted that the gestures are being applied by the user on the same device (i.e., electronic device) and not via a computer running a software application (and through a GUI) as taught by Helms. Also, Helms does not teach or suggest that the interface regions dynamically change its predefined functions based on communication modes such as a push to talk (PTT) communication mode, a tap to start (TTS) communication mode, a release to record (RTR) communication mode, a release to

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stop (RTS) communication mode, a tap to end (TTE) communication mode, etc., as disclosed by applicant in the applicant's original application.

Therefore, even if both Cranfill and Helms are combined as suggested in the office action, there is no reasonable expectation of success in arriving at the following limitation disclosed in claim 8:

"further comprising dynamically changing said predefined functions associated with said one of said first defined interface region and said one or more of said defined interface regions by said gesture based media recording application based on one or more of said communication modes and user preferences".

Since independent claims 1, 10, 17, 22, 30 and 34 are not obvious over Cranfill in view of Helms, dependent claims 8, 15, 21, 28 and 37 which are analogous to claim 2 are also not obvious over Cranfill in view of Helms. Therefore, applicant respectfully requests that the rejection of claims 8, 15, 21, 28 and 37 under 35 U.S.C. 103 be reconsidered and withdrawn.

Claims 4 and 6 are dependent on claim 1. Since claim 1 is non-obvious over Cranfill in view of Helms, applicant submits that dependent claims 4 and 6 are also non-obvious over Cranfill in view of Helms. Therefore, applicant respectfully requests that the rejection of claims 4 and 6 be reconsidered and withdrawn.

Claim 5 is dependent on claim 1, claims 11-13 are dependent on claim 10, claims 18-19 are dependent on claim 17, claims 23-26 and 28 are dependent on claim 22, claims 31-33 are dependent on claim 30, and claims 35-37 and 39-40 are dependent on claim 34. Since independent claims 1, 10, 17, 22, 30 and 34 are not obvious over Cranfill in view of Helms, applicant submits that dependent claims 5, 11-13, 18-19, 23-26, 28, 31-33, 35-37 and 39-40 are also not obvious over Cranfill in view of Helms. Therefore, applicant respectfully requests that the rejection of claims 5, 11-13, 18-19, 23-26, 28, 31-33, 35-37 and 39-40 under 35 U.S.C. 103 be reconsidered and withdrawn.

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The office action states: "**Claims 9, 16, 29 and 38 are rejected under 35 U.S.C. 103 as being unpatentable over Cranfill et al., US 2011/0249074 (hereinafter "Cranfill") in view of US 2011/00252318 A1 (hereinafter referred as "Helms"), and further in view of Huang et al., US 2007/0296552 A1 (hereinafter referred as "Huang").**"

In response, applicant submits that Cranfill in view of Helms do not teach or suggest all the limitations of independent claims 1, 10, 22, and 34. Huang does not address the deficiencies of Cranfill and Helms. Therefore, independent claims 1, 10, 22, and 34 are non-obvious over Cranfill in view of Helms, and further in view of Huang.

Since independent claims 1, 10, 22 and 34 are novel and not obvious over Cranfill in view of Helms, and further in view of Huang, dependent claims 9, 16, 29 and 38 are also not obvious over Cranfill in view of Helms and further in view of Huang. Therefore, applicant respectfully requests that the rejection of claims 9, 16, 29 and 38 under 35 U.S.C. 103 be reconsidered and withdrawn.

New claim 41 recites limitations similar to the limitations of independent claims 10 and 30. Since claims 10 and 30 are non-obvious over Cranfill in view of Helms, applicant submits that the new claim 41 is also non-obvious and that no new subject matter is entered to the new claim 41. Therefore, applicant respectfully requests the examiner to allow the new claim 41.

New claim 42 is dependent on claim 41. Therefore, applicant respectfully requests allowance of new claim 42.

New claims 43 and 44 are dependent claims of the independent claims 10 and 30. No new subject matter is entered in new claims 43 and 44. Therefore, applicant respectfully requests allowance of new claims 43 and 44.

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Conclusion

Applicant respectfully requests that a timely Notice of Allowance be issued in this case. In the interest of compact prosecution, if the prosecution of the application can be advanced or if a claim may be made potentially allowable by an Examiner's amendment, applicant requests Examiner Nguyen to call the undersigned with the proposed amendment.

Respectfully submitted,

Date: June 26, 2017

/a tankha/
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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 14/051,735	Filing Date 10/11/2013	☐ 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 06/27/2017

	(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))	* 39	Minus	** 40	= 0	X $40 =	0
Independent (37 CFR 1.16(h))	* 7	Minus	***6	= 1	X $210 =	210
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	210

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
MYRTLE LEIGH

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.

Document code: WFEE

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14051735	MUMICK, KIERAJ SINGH
	Examiner	Art Unit
	TUAN S NGUYEN	2145

✓	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	07/22/2016	01/24/2017	07/21/2017						
	1	✓	✓	✓						
	2	✓	✓	✓						
	3	✓	✓	✓						
	4	✓	✓	✓						
	5	✓	✓	✓						
	6	✓	✓	✓						
	7	✓	-	-						
	8	✓	✓	✓						
	9	✓	✓	✓						
	10	✓	✓	✓						
	11	✓	✓	✓						
	12	✓	✓	✓						
	13	✓	✓	✓						
	14	✓	-	-						
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	17	✓	✓	✓						
	18	✓	✓	✓						
	19	✓	✓	✓						
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	21	✓	✓	✓						
	22	✓	✓	✓						
	23	✓	✓	✓						
	24	✓	✓	✓						
	25	✓	✓	✓						
	26	✓	✓	✓						
	27	✓	-	-						
	28	✓	✓	✓						
	29	✓	✓	✓						
	30	✓	✓	✓						
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	32	✓	✓	✓						
	33	✓	✓	✓						
	34	✓	✓	✓						
	35	✓	✓	✓						
	36	✓	-	-						

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14051735	MUMICK, KIERAJ SINGH
	Examiner	**Art Unit**
	TUAN S NGUYEN	2145

✓	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	07/22/2016	01/24/2017	07/21/2017						
	37	✓	✓	✓						
	38	✓	✓	✓						
	39	✓	✓	✓						
	40	✓	✓	✓						
	41			✓						
	42			✓						
	43			✓						
	44			✓						

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	1	"20130052982".pn.	US-PGPUB; USPAT	OR	ON	2017/07/21 14:54
S2	3	("20080165141" "20110261213" "20100309148").pn.	US-PGPUB; USPAT	OR	ON	2016/05/19 16:17
S3	4	Mumick-Kieraj-Singh.in.	US-PGPUB; USPAT	OR	ON	2016/05/19 16:18
S4	1	14/051735.app.	US-PGPUB; USPAT	OR	ON	2016/06/21 11:59
S5	4	Mumick-Kieraj-Singh.in.	US-PGPUB; USPAT	OR	ON	2016/06/21 12:03
S6	1	S5 and (communication near mode with gesture and recording).clm.	US-PGPUB; USPAT	OR	ON	2016/06/21 12:03
S7	4	Mumick-Kieraj-Singh.in.	US-PGPUB; USPAT	OR	ON	2016/06/21 14:23
S8	1	S7 and (defin$4 with region).clm.	US-PGPUB; USPAT	OR	ON	2016/06/21 14:23
S9	1	S7 and (associat$4 near function with region).clm.	US-PGPUB; USPAT	OR	ON	2016/06/21 14:24
S10	23784	(H04N5/44543 G11B27/34 H04N21/4622).cpc.	US-PGPUB; USPAT	OR	ON	2016/06/21 14:55
S11	864	S10 and ((media audio video) with record$4 with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/21 14:56
S12	699	S11 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/21 14:57
S13	0	"L6" and (communication near mode with (tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 12:26
S14	4	"L6" and (communication with (tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 12:27
S15	23784	(H04N5/44543 G11B27/34 H04N21/4622).cpc.	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S16	864	S15 and ((media audio video) with record$4 with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S17	699	S16 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S18	0	S17 and (communication with (tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S19	93	S17 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S20	100	S17 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 13:26

S21	0	S20 and (communication near mode)	US-PGPUB; USPAT	OR	ON	2016/06/22 13:27
S22	3	("20080165141" "20110261213" "20100309148").pn.	US-PGPUB; USPAT	OR	ON	2016/06/22 13:31
S23	23784	(H04N5/44543 G11B27/34 H04N21/4622).cpc.	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S24	864	S23 and ((media audio video) with record$4 with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S25	699	S24 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S26	100	S25 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S27	13	S26 and ((switch$4 select$4 gesture slid$4) with (tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S28	0	S25 and ((switch$4 select$4 gesture slid$4) with (tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:16
S29	9	S25 and ((tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:17
S30	77557	((media audio video) with record$4 with application)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:25
S31	568	S30 and ((switch$4 select$4 gesture slid$4) with (tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:26
S32	464	S31 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/22 15:27
S33	267	S32 and ((cancel$4 terminat$4 end$4 trigger$4 activat$4 execut$4) with record$4)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:30
S34	130	S33 and ((chang$4 updat$4) with (option menu selection button))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:31
S35	43	S33 and ((chang$4 updat$4) with (option menu selection button) with (state stage))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:38
S36	4	S35 and ((display$4 present$4) with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:39
S37	4116	((media audio video) with record$4 with (application app) with mobile)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:44
S38	1038	S37 and ((display$4 present$4) with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:44
S39	519	S38 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/22 15:44
S40	0	S39 and ((chang$4 updat$4 present$4) with (option menu selection button) with (operat$4 near record$4))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:46
S41	9	S39 and ((chang$4 updat$4 present$4) with (option menu selection button) with operat$4 with (application app))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:47
S42	3	("20080165141" | "20110261213" | "20100309148").PN.	US-PGPUB; USPAT	OR	ON	2016/07/14 14:12
S43	4178	((media audio video) with record$4 with	US-PGPUB;	OR	ON	2016/07/14

		(application app) with mobile)	USPAT			14:54
S44	1925	S43 and (microphone)	US-PGPUB; USPAT	OR	ON	2016/07/14 14:54
S45	26	S44 and ((tap near (start talk end) push near talk (release hold) near (record stop cancel)))	US-PGPUB; USPAT	OR	ON	2016/07/14 15:02
S46	127	((media video audio) with (record$4) near (application software app) with (menu option))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:26
S47	255	((media video audio) with (record$4) near (application software app) with (menu option button icon))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:28
S48	184	S47 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/18 12:28
S49	11	S48 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:30
S50	53390	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:38
S51	573	S50 and ((tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:39
S52	379	S51 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/18 12:39
S53	18	S52 and ((PTT HTR RTS RTR TTS) with (gesture slid$4 switch$4))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:40
S54	1303	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon) with gesture)	US-PGPUB; USPAT	OR	ON	2016/07/18 13:55
S55	7526	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon) with (gesture switch$4 slid$4))	US-PGPUB; USPAT	OR	ON	2016/07/18 13:55
S56	5242	S55 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/18 13:56
S57	41	S56 and ((tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/07/18 13:57
S58	4	S57 and ((PTT HTR RTS RTR TTS) with (gesture slid$4 switch$4))	US-PGPUB; USPAT	OR	ON	2016/07/18 13:58
S59	7526	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon) with (gesture switch$4 slid$4))	US-PGPUB; USPAT	OR	ON	2016/07/18 16:49
S60	5242	S59 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/18 16:49
S61	11	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$).did.	US-PGPUB	OR	ON	2016/07/20 15:01
S62	7533	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon) with (gesture switch$4 slid$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:02

S63	5242	S62 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/20 15:02
S64	5046	S63 and ((switch$4 gestur$4 slid$4) with (menu button option mode) with (communication camera capture record$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:02
S65	1277	S63 and ((gesture touch$6 tap$4) with (switch$4 slid$4 chang$4) with (menu button option mode) with (communication camera capture record$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:28
S66	412	S65 and ((media video audio voice) with (record$4) with (microphone camera))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:30
S67	79	S65 and ((media video audio voice) with (record$4) with (microphone camera) with (interface GUI))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:35
S68	1	S67 and (communication near mode)	US-PGPUB; USPAT	OR	ON	2016/07/20 15:47
S69	30	S67 and ((select$4 tap$4) with (camera microphone) with record$4)	US-PGPUB; USPAT	OR	ON	2016/07/20 16:01
S70	0	"Apple.as" and ((camera microphone) with mode)	US-PGPUB; USPAT	OR	ON	2016/07/20 16:10
S71	6804	((camera microphone) with (menu selection near mode record$4 option) with touch$7)	US-PGPUB; USPAT	OR	ON	2016/07/20 16:11
S72	4463	S71 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/20 16:13
S73	114	S72 and ((select$4 tap$4 switch$4) with (camera microphone) with mode with (start stop chang$4 save cancel))	US-PGPUB; USPAT	OR	ON	2016/07/20 16:31
S74	7	S73 and ((camera microphone) near (interface UI "user interface" GUI))	US-PGPUB; USPAT	OR	ON	2016/07/20 16:33
S75	1821	(touch$7 with (camera microphone) near (interface UI "user interface" GUI))	US-PGPUB; USPAT	OR	ON	2016/07/20 16:50
S76	954	S75 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/20 16:51
S77	10	S76 and ((select$4 tap$4 switch$4) with (camera microphone) with mode with (start stop chang$4 save cancel hold pause re?record$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 16:51
S78	0	"Apple.as" and (touch$7 with (camera microphone) near (interface UI "user interface" GUI))	US-PGPUB; USPAT	OR	ON	2016/07/20 17:07
S79	0	"Apple.as" and ((camera microphone) near (interface UI "user interface" GUI) with icon)	US-PGPUB; USPAT	OR	ON	2016/07/20 17:08
S80	25	Apple.as. and ((camera microphone) near (interface UI "user interface" GUI) with icon)	US-PGPUB; USPAT	OR	ON	2016/07/20 17:41
S81	13	S80 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/20 17:42
S82	23	S80 and (@ad<"20121015" @rlad<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/20 17:45
S83	0	S82 and ((select$4 tap$4 switch$4)	US-PGPUB;	OR	ON	2016/07/20

		with (camera microphone) with mode with (start stop chang$4 save cancel))	USPAT			17:47
S84	41	Apple.as. and ((select$4 tap$4 switch$4) with (camera microphone) with mode with (start stop chang$4 save cancel hold pause re?record$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 17:48
S85	39	S84 and (@ad<"20121015" @rlad<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/20 17:50
S86	27	S84 and (@ad<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/20 18:45
S87	1	"20110249075".pn.	US-PGPUB; USPAT	OR	ON	2016/07/20 19:30
S88	1	"20110249074".pn.	US-PGPUB; USPAT	OR	ON	2016/07/20 19:30
S89	19	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$).did. or (US-6763226-$ or US-8502856-$).did.	US-PGPUB; USPAT	OR	ON	2016/07/21 10:12
S90	12	(camera near (menu option) with (video photo pano square slo?mo)) and Apple.as.	US-PGPUB; USPAT	OR	ON	2016/07/21 14:51
S91	7	S90 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/21 14:52
S92	7	S90 and (@ad<"20121015" @rlpd<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/21 14:54
S93	40945	((audio voice) with (microphone record$4 memo) with message)	US-PGPUB; USPAT	OR	ON	2016/07/21 16:29
S94	6472	((audio voice) with (record$4 conference IM) with (user near interface UI GUI))	US-PGPUB; USPAT	OR	ON	2016/07/21 16:31
S95	4984	S94 and (@ad<"20121015" @rlpd<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/21 16:31
S96	19	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$).did. or (US-6763226-$ or US-8502856-$).did.	US-PGPUB; USPAT	OR	ON	2016/07/21 16:40
S97	8	S96 and (user near (preference specif$4))	US-PGPUB; USPAT	OR	ON	2016/07/21 16:40
S98	4	Mumick-Kieraj-Singh.in.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:34

S99	2	("20040225502" "20110075818").pn.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:41
S100	1	S98 and (gesture with (media audio voice video) with (record$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:46
S101	1	S98 and (gesture and (media audio voice video) with (record$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:47
S102	129628	((media audio voice video) with (record$4 captur$4 camera microphone) with (application app))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:19
S103	11771	((media audio voice video) with (record$4 captur$4 camera microphone) with (application app) with (user near interface GUI UI interface))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:20
S104	427	S103 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:21
S105	7	S103 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS) with (gesture touch$7))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:22
S106	5	S105 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/21 22:22
S107	229	S103 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS) and (gesture touch$7))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:35
S108	19	S103 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS) same (gesture touch$7))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:35
S109	7	S108 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/21 22:36
S110	176	((menu function) with dynamically near chang$4 with (mode user near references))	US-PGPUB; USPAT	OR	ON	2016/07/22 00:35
S111	121	S110 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 00:36
S112	2	((menu function) with dynamically near chang$4 with (communication near mode user near references))	US-PGPUB; USPAT	OR	ON	2016/07/22 00:37
S113	0	S112 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 00:37
S114	6	S111 and ((media audio voice video) with (record$4 captur$4 camera microphone) with (application app))	US-PGPUB; USPAT	OR	ON	2016/07/22 00:39
S115	352	((menu function) with dynamically near chang$4 with (communication near mode user near references application))	US-PGPUB; USPAT	OR	ON	2016/07/22 01:49
S116	0	((menu function) with dynamically near chang$4 with (communication near mode user near references application) with "same" near (key icon button))	US-PGPUB; USPAT	OR	ON	2016/07/22 01:58
S117	2	((menu function) with dynamically near chang$4 with (communication near mode user near references application) with "same" with (key icon button))	US-PGPUB; USPAT	OR	ON	2016/07/22 01:59

S118	1	14/051735.app.	US-PGPUB; USPAT	OR	ON	2016/07/22 02:43
S119	1	S118 and (user near preference)	US-PGPUB; USPAT	OR	ON	2016/07/22 02:43
S130	13	(assign$4 with (pre?defined near function) with (key menu))	US-PGPUB; USPAT	OR	ON	2016/07/22 04:18
S131	12	S130 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:18
S132	11	((assign$4 delegat$4) with (pre?defined near function) with (blank empty) near (key menu near space))	US-PGPUB; USPAT	OR	ON	2016/07/22 04:27
S133	10	S132 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:27
S134	11	((assign$4 delegat$4 drag$4) with (pre?defined near function) with (blank empty) near (key menu near space))	US-PGPUB; USPAT	OR	ON	2016/07/22 04:29
S135	10	S134 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:29
S136	11	((assign$4 delegat$4 drag$4) with (pre?defined near (function menu)) with (blank empty) near (key space slot))	US-PGPUB; USPAT	OR	ON	2016/07/22 04:31
S137	75	((assign$4 delegat$4 drag$4) with (function) with (blank empty) near (key space slot))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/07/22 04:32
S138	61	S137 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:33
S139	27	S138 and (universal near remote)	US-PGPUB; USPAT	OR	ON	2016/07/22 04:37
S140	15	((assign$4 delegat$4 drag$4) with (function) with (blank empty) near (key space slot)) same (universal near remote)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/07/22 04:38
S141	13	S140 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:39
S142	1	14/051735.app.	US-PGPUB; USPAT	OR	ON	2016/07/22 06:14
S143	1	S142 and (non?transitory with medium)	US-PGPUB; USPAT	OR	ON	2016/07/22 06:14
S144	24	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$ or US-20040225502-$	US-PGPUB; USPAT	OR	ON	2016/07/22 07:23

		or US-20120036434-$ or US-20070237515-$ or US-20040036632-$).did. or (US-6763226-$ or US-8502856-$ or US-6486914-$).did.				
S145	25	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$ or US-20040225502-$ or US-20120036434-$ or US-20070237515-$ or US-20040036632-$ or US-20070296552-$).did. or (US-6763226-$ or US-8502856-$ or US-6486914-$).did.	US-PGPUB; USPAT	OR	ON	2016/07/22 07:25
S148	26	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$ or US-20040225502-$ or US-20120036434-$ or US-20070237515-$ or US-20040036632-$ or US-20070296552-$).did. or (US-6763226-$ or US-8502856-$ or US-6486914-$ or US-8995689-$).did.	US-PGPUB; USPAT	OR	ON	2017/01/23 13:43
S149	0	(chang$4 with dynamic$4 with (state status) near (button icon menu) with communication near mode)	US-PGPUB; USPAT	OR	ON	2017/01/23 14:15
S150	0	(chang$4 with dynamic$4 with (state status) near (button icon menu) same communication near mode)	US-PGPUB; USPAT	OR	ON	2017/01/23 14:15
S151	0	(chang$4 with dynamic$4 with (state status) near (button icon menu) and communication near mode)	US-PGPUB; USPAT	OR	ON	2017/01/23 14:15
S152	79	(chang$4 with dynamic$4 with (state status) near (button icon menu))	US-PGPUB; USPAT	OR	ON	2017/01/23 14:16
S153	5	(chang$4 with dynamic$4 with (state status) near (button icon menu) with mode)	US-PGPUB; USPAT	OR	ON	2017/01/23 14:16
S154	5	S153 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/23 14:16
S155	24829	(H04N5/44543 G11B27/34 H04N21/4622).cpc.	US-PGPUB; USPAT	OR	ON	2017/01/23 14:17
S156	0	S155 and (chang$4 with dynamic$4 with (state status) near (button icon menu) with mode)	US-PGPUB; USPAT	OR	ON	2017/01/23 14:17
S157	28	S155 and (chang$4 with dynamic$4	US-PGPUB;	OR	ON	2017/01/23

		with (state status) near (button icon menu))	USPAT			14:17
S158	28	S157 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/23 14:18
S159	1125	(chang$4 with (state status user near interface) near (button icon menu submenu) with (select$4 option click))	US-PGPUB; USPAT	OR	ON	2017/01/23 15:38
S160	876	S159 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/23 15:40
S161	37	(chang$4 near dynamic$4 with (state status user near interface) near (button icon menu submenu) with (select$4 option click))	US-PGPUB; USPAT	OR	ON	2017/01/23 15:40
S162	35	S161 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/23 15:40
S163	0	(chang$4 near dynamic$4 with (state user near interface) near (button icon menu submenu) with (select$4 option click) near (parent root))	US-PGPUB; USPAT	OR	ON	2017/01/23 15:49
S164	109	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with (select$4 option click$4))	US-PGPUB; USPAT	OR	ON	2017/01/23 15:59
S165	86	S164 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/23 15:59
S167	0	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with (select$4 option click$4) near mode near record$4)	US-PGPUB; USPAT	OR	ON	2017/01/24 09:32
S168	0	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with (select$4 option click$4) with mode near record$4)	US-PGPUB; USPAT	OR	ON	2017/01/24 09:33
S169	0	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with (select$4 option click$4) near record$4)	US-PGPUB; USPAT	OR	ON	2017/01/24 09:33
S170	2	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with (select$4 option click$4) with record$4)	US-PGPUB; USPAT	OR	ON	2017/01/24 09:35
S171	1	S170 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/24 09:36
S172	1	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with record$4 near (application app))	US-PGPUB; USPAT	OR	ON	2017/01/24 09:38
S173	1	(chang$4 near dynamic$4 with (state user near interface context) with (button icon menu submenu) with record$4 near (application app))	US-PGPUB; USPAT	OR	ON	2017/01/24 09:44
S174	1	(chang$4 near dynamic$4 with (state user near interface context) with (button icon menu submenu) with record$4 near (application app))	US-PGPUB; USPAT	OR	ON	2017/01/24 09:45
S175	1	(chang$4 near dynamic$4 with (state user near interface context) with record$4 near (application app))	US-PGPUB; USPAT	OR	ON	2017/01/24 09:46

S176	91	(chang$4 near dynamic$4 with (state user near interface context) with record$4)	US-PGPUB; USPAT	OR	ON	2017/01/24 10:06
S177	8	(chang$4 near dynamic$4 with (state user near interface context) with record$4 with (application app))	US-PGPUB; USPAT	OR	ON	2017/01/24 10:06
S178	5	S177 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/24 10:10
S179	29	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$ or US-20040225502-$ or US-20120036434-$ or US-20070237515-$ or US-20040036632-$ or US-20070296552-$ or US-20120323965-$ or US-20120124515-$ or US-20110252318-$).did. or (US-6763226-$ or US-8502856-$ or US-6486914-$ or US-8995689-$).did.	US-PGPUB; USPAT	OR	ON	2017/07/20 09:16
S181	25548	(H04N5/44543 G11B27/34 H04N21/4622).cpc.	US-PGPUB; USPAT	OR	ON	2017/07/20 11:12
S182	1173	S181 and (chang$4 with (state user near interface) with (button icon menu submenu))	US-PGPUB; USPAT	OR	ON	2017/07/20 11:13
S183	1	"20040216059".pn.	US-PGPUB; USPAT	OR	ON	2017/07/20 15:31
S184	30	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$ or US-20040225502-$ or US-20120036434-$ or US-20070237515-$ or US-20040036632-$ or US-20070296552-$ or US-20120323965-$ or US-20120124515-$ or US-20110252318-$ or US-20040216059-$).did. or (US-6763226-$ or US-8502856-$ or US-6486914-$ or US-8995689-$).did.	US-PGPUB; USPAT	OR	ON	2017/07/20 15:37
S185	0	S184 and (chang$4 with (state user near interface) with (button icon menu submenu) with record$4 near (application app))	US-PGPUB; USPAT	OR	ON	2017/07/20 15:37
S186	10	S184 and (chang$4 with (state user near interface) with (button icon menu	US-PGPUB; USPAT	OR	ON	2017/07/20 15:38

		submenu))				
S187	10	S186 and (touch$4 touchscreen touch near screen touch?screen)	US-PGPUB; USPAT	OR	ON	2017/07/20 15:53

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S120	1045	(gesture and (media audio voice video) with (record$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:47
S121	295	(gesture with (media audio voice video) with (record$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:47
S122	3	S121 and (communication near mode).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:48
S123	3	S121 and ((tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/07/21 21:50
S124	1	S121 and ((tap near (start talk end) push near talk release near (record stop))).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:50
S125	64	(gesture and (media audio voice video) with (record$4) with (user near interface UI GUI)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:53
S126	1	S125 and ((tap near (start talk end) push near talk release near (record stop))).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:53
S127	1	S125 and (communication near mode).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:54
S128	64	S125 and ((media audio voice video) with (record$4 captur$4 camera microphone) with (application app user near interface UI GUI)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:55
S129	17	S125 and ((media audio voice video) with (record$4 captur$4 camera microphone) with (application app)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:56
S146	1	"Term Removed"	US-PGPUB	OR	ON	2016/07/22 07:23
S147	1	"Term Removed"	US-PGPUB	OR	ON	2016/07/22 07:25
S166	1	"Term Removed"	US-PGPUB	OR	ON	2017/01/23 13:43
S180	1	"Term Removed"	US-PGPUB	OR	ON	2017/07/20 09:16
S188	1	"Term Removed"	US-PGPUB	OR	ON	2017/07/20 15:37

7/21/2017 3:03:54 PM
C:\Users\tnguyen14\Documents\EAST\Workspaces\search_14051735.wsp

Notice of References Cited	Application/Control No. 14/051,735	Applicant(s)/Patent Under Reexamination MUMICK, KIERAJ SINGH	
	Examiner TUAN S. NGUYEN	Art Unit 2145	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2004/0216059 A1	10-2004	Vong, William H.	G06F3/1431	715/840
*	B	US-2013/0052982 A1	02-2013	Rohde; Gregory L.	H04W4/22	455/404.1
	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	CPC 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.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14051735	MUMICK, KIERAJ SINGH
	Examiner	Art Unit
	TUAN S NGUYEN	2145

CPC- SEARCHED		
Symbol	Date	Examiner
Conduct EAST CPC search on (H04N5/44543 G11B27/34 H04N21/4622) with limited keys.	7/22/2016	TN
Conduct EAST CPC search on (H04N5/44543 G11B27/34 H04N21/4622) with limited keys.	1/24/2017	TN
Conduct EAST CPC search on (H04N5/44543 G11B27/34 H04N21/4622) with limited keys.	7/21/2017	TN

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

SEARCH NOTES		
Search Notes	Date	Examiner
Conduct EAST inventor name search	7/22/2016	TN
Conduct EAST search	7/22/2016	TN
Conduct EAST search	1/24/2017	TN
Conduct EAST search	7/21/2017	TN

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

	/TUAN S NGUYEN/ Primary Examiner.Art Unit 2145

INTERFERENCE SEARCH			
US Class/ CPC Symbol	**US Subclass / CPC Group**	**Date**	**Examiner**
	See interference search attached	7/22/2016	TN

	/TUAN S NGUYEN/ Primary Examiner.Art Unit 2145

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/051,735	10/11/2013	Kieraj Singh Mumick	KIRU-14NP-US	3926

7590 07/24/2017

Ashok Tankha
36 Greenleigh Drive
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EXAMINER	
NGUYEN, TUAN S	

ART UNIT	PAPER NUMBER
2145	

MAIL DATE	DELIVERY MODE
07/24/2017	PAPER

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.

Office Action Summary	Application No. 14/051,735	Applicant(s) MUMICK, KIERAJ SINGH	
	Examiner TUAN S. NGUYEN	Art Unit 2145	AIA (First Inventor to File) Status Yes

-- 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 *06/26/2017*.

☐ 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) *1-6,8-13,15-19,21-26,28-35 and 37-44* 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) *1-6,8-13,15-19,21-26,28-35 and 37-44* 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: _____.

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

Claims 1-6, 8-13, 15-19, 21-26, 28-35, 37-44 are pending in this application. Claims 1, 10, 17, 22, 30 and 34 are independent claims. This Office Action is made Non-Final.

Claim Rejections - 35 USC § 103

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

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102 of this title, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-6, 8, 10-13, 15, 17-19, 21-26, 28, 30-35, 37 and 39-44 are rejected under 35 U.S.C. 103 as being unpatentable over Cranfill et al. ("Cranfill", US PG-Pub. 2011/0249074 A1) in view of Vong et al. ("Vong", US PG-Pub. 2004/0216059 A1).

Re-claim 1, Cranfill teaches a computer implemented method for performing actions associated with recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of a mobile electronic device, comprising:

providing a gesture based media recording application, said gesture based media recording application, when executed by a processor, managing said graphical user interface of said mobile electronic device and actions associated with said recording of said media data in said one or more of said communication modes on said mobile electronic device (Cranfill, Fig. 12. Cranfill describes the gesture based video conference application that records and streams the video from both conferees. The video conference application is considered as a media recording application that recording the video conference to communicate among conferees. Thus, the video conference is one of the communication mode);

defining a plurality of interface regions on said graphical user interface of said mobile electronic device by said gesture based media recording application, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said gesture based media recording application (Cranfill, Fig. 12, [0238-0240]. Cranfill describes the video conference application defining the menu bar area 1155, the menu options 1246, 1275 that can be in many different layout, locations in a dynamic manner);

detecting a first gesture from among multiple gestures on a first defined interface region of said defined interface regions by said gesture based media recording application (Cranfill, Fig. 12, [0234, 0235]. Cranfill describes the user touching input on the "Accept" button 1275 is detected to start the video conferencing);

performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said first gesture on said first defined interface region (Cranfill, Fig. 12, [0234, 0235]. Cranfill describes the video conference is started at the Fourth stage and recording the video);

Cranfill fails to teach dynamically changing, by said gesture based application, said predefined functions associated with said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region based on said detected first gesture on said first defined interface region; detecting a second gesture from among said multiple gestures on one of: said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region, by said gesture based application; and performing a second action, in response to said detection of said second gesture on: said one of said defined interface regions, by said gesture based application.

However, Vong teaches:

dynamically changing, by said gesture based application, said predefined functions associated with said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region based on said

detected first gesture on said first defined interface region ("Vong", Figs. 4, 13B, 13D, [0047]. Vong describes the concept of dynamically changing the graphical user interface on touchscreen display with the subsequent associated function menu selections based on the context defined by one or more first selection (i.e. calendar first selection, music first selection);

detecting a second gesture from among said multiple gestures on one of: said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region, by said gesture based application ("Vong", Fig. 13B. Vong describes the subsequent user input is received on either "Details" or "Previous Day", etc.); and

performing a second action, in response to said detection of said second gesture on: said one of said defined interface regions, by said gesture based application ("Vong", Fig. 13B. Vong describes the subsequent associated function menu or content of "Details" or "Previous Day" are displayed to be executed further).

Therefore, it would have been obvious to one having the ordinary skill in the art before the effective filing date of the claimed invention to modify the teachings of Cranfill with the above teachings of Vong in order to provide the subsequent menu for further operation of the application.

Re-claim 2, in addition to what Cranfill-Vong teaches in claim 1, Cranfill also teaches the method, wherein said first action and said second action are at least one of: triggering said recording of said media data, switching from said one of said

communication modes to another one of said communication modes for said recording of said media data, canceling said recording of said media data, generating and displaying a plurality of options for performing an operation associated with said recorded media data, and combinations thereof (Cranfill, Fig. 12, [0234, 0235]. Cranfill describes the first action is triggering the beginning of the video conference recording by selecting the “Accept” button and the second action is canceling said recording of said media data by selecting the End conference button 1287).

Re-claim 3, in addition to what Cranfill-Vong teaches in claim 1, Cranfill also teaches the method, further comprising streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data by said gesture based media recording application (Cranfill, Figs. 10, 12. Cranfill describes the video data of the conference are streaming to a server 1015 via a network continuously while recording).

Re-claim 4, in addition to what Cranfill-Vong teaches in claim 1, Cranfill also teaches the method, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode (Cranfill, Fig.12. Cranfill describes the “tap to start” the Video conference by “Accept” button 1275, “tap to end” by “End Conference” button 1287).

Re-claim 5, in addition to what Cranfill-Vong teaches in claim 1, Cranfill also teaches the method, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof (Cranfill, Fig. 12. Cranfill describes the media data is audio data and video data).

Re-claim 6, in addition to what Cranfill-Vong teaches in claim 1, Cranfill also teaches the method, wherein said gestures comprise a drag and drop gesture, a click gesture, a double click gesture, a click and hold gesture, a tap gesture, a tap and hold gesture, a hold and swipe gesture, a touch gesture, a slide gesture, a glide gesture, a scrolling gesture, and any combination thereof (Cranfill, Fig. 12. Cranfill describes the gesture is a touch gesture or a tap gesture).

Re-claim 8, Cranfill-Vong teaches the method in claim 1, but Cranfill fails to teach a method, further comprising dynamically changing said predefined functions associated with one of said first defined interface region and said one or more of said defined interface regions by said gesture based application based on one or more of application modes and user preferences. However, Vong teaches a method, further comprising dynamically changing said predefined functions associated with one of said first defined interface region and said one or more of said defined interface regions by said gesture based application based on one or more of application modes and user preferences ("Vong", Figs. 4, 13B, 13D, [0047]. Vong describes the concept of

dynamically changing the graphical user interface on touchscreen display with the subsequent associated function menu selections based on the context defined by one or more first selection (i.e. calendar first selection, music first selection).

Therefore, it would have been obvious to one having the ordinary skill in the art before the effective filing date of the claimed invention to modify the teachings of Cranfill with the above teachings of Vong in order to provide the subsequent menu for further operation of the application.

Re-claim 10, it is a method claim having similar limitation in scope of claim 1; therefore, it is rejected under similar rationale.

Re-claim 11, in addition to what Cranfill-Vong teaches in claim 10, claim 11 is the method claim having similar limitation in scope of claim 2; therefore, it is rejected under similar rationale.

Re-claim 12, in addition to what Cranfill-Vong teaches in claim 10, claim 12 is the method claim having similar limitation in scope of claim 3; therefore, it is rejected under similar rationale.

Re-claim 13, in addition to what Cranfill-Vong teaches in claim 10, claim 13 is the method claim having similar limitation in scope of claim 4; therefore, it is rejected under similar rationale.

Re-claim 15, in addition to what Cranfill-Vong teaches in claim 10, claim 15 is the method claim having similar limitation in scope of claim 8; therefore, it is rejected under similar rationale.

Re-claim 17, it is a method claim having similar limitation in scope of claim 11 with audio data; therefore, it is rejected under similar rationale.

Re-claim 18, in addition to what Cranfill teaches in claim 17, Cranfill also teaches the method, wherein said action is at least one of: switching from said one of said communication modes to another one of said communication modes for said recording of said media data, canceling said recording of said media data, generating and displaying a plurality of options for performing an operation associated with said recorded media data, and combinations thereof (Cranfill, Fig. 12, [0238-0240]. Cranfill describes the second action is "end conference" action with gesture on button 1287).

Re-claim 19, in addition to what Cranfill-Vong teaches in claim 17, claim 19 is the method claim having similar limitation in scope of claim 4; therefore, it is rejected under similar rationale.

Re-claim 21, in addition to what Cranfill-Vong teaches in claim 17, claim 21 is the method claim having similar limitation in scope of claim 8; therefore, it is rejected under similar rationale.

Re-claim 22, Cranfill teaches a computer implemented system for performing actions associated with recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of a mobile electronic device, said computer implemented system comprising:

at least one processor (Cranfill, Fig. 89. Cranfill describes the processor 8905);

a non-transitory computer readable storage medium communicatively coupled to said at least one processor, said non-transitory computer readable storage medium configured to store said gesture based media recording application (Cranfill, Fig. 89. Cranfill describes the memory 8970); and

other gesture based media recording application's modules performing similar functional limitations in scope of claim 1 taught by Cranfill in view of Vong; therefore, it is rejected under similar rationale.

Re-claim 23, in addition to what Cranfill-Vong teaches in claim 22, claim 23 is the system claim having similar limitation in scope of claim 2; therefore, it is rejected under similar rationale.

Re-claim 24, in addition to what Cranfill-Vong teaches in claim 22, claim 24 is the system claim having similar limitation in scope of claim 3; therefore, it is rejected under similar rationale.

Re-claim 25, in addition to what Cranfill-Vong teaches in claim 22, claim 25 is the system claim having similar limitation in scope of claim 4; therefore, it is rejected under similar rationale.

Re-claim 26, in addition to what Cranfill-Vong teaches in claim 22, claim 26 is the system claim having similar limitation in scope of claim 5; therefore, it is rejected under similar rationale.

Re-claim 28, in addition to what Cranfill-Vong teaches in claim 22, claim 28 is the system claim having similar limitation in scope of claim 8; therefore, it is rejected under similar rationale.

Re-claim 30, it is the system claim having similar limitation in scope of claim 22; therefore, it is rejected under similar rationale.

Re-claim 31, in addition to what Cranfill-Vong teaches in claim 30, claim 31 is the system claim having similar limitation in scope of claim 23; therefore, it is rejected under similar rationale.

Re-claim 32, in addition to what Cranfill-Vong teaches in claim 30, claim 32 is the system claim having similar limitation in scope of claim 24; therefore, it is rejected under similar rationale.

Re-claim 33, in addition to what Cranfill-Vong teaches in claim 30, claim 33 is the system claim having similar limitation in scope of claim 25; therefore, it is rejected under similar rationale.

Re-claim 34, it is the computer program product claim having similar limitation in scope of claims 1 and 5; therefore, it is rejected under similar rationale.

Re-claim 35, in addition to what Cranfill-Vong teaches in claim 34, claim 35 is the computer program product claim having similar limitation in scope of claim 2; therefore, it is rejected under similar rationale.

Re-claim 37, in addition to what Cranfill-Vong teaches in claim 34, claim 37 is the computer program product claim having similar limitation in scope of claim 8; therefore, it is rejected under similar rationale.

Re-claim 39, in addition to what Cranfill-Vong teaches in claim 34, claim 39 is the computer program product claim having similar limitation in scope of claim 3; therefore, it is rejected under similar rationale.

Re-claim 40, in addition to what Cranfill-Vong teaches in claim 34, claim 40 is the computer program product claim having similar limitation in scope of claim 4; therefore, it is rejected under similar rationale.

Re-claim 41, it is the computer program product claim having similar limitation in scope of claim 34; therefore, it is rejected under similar rationale.

Re-claim 42, in addition to what Cranfill-Vong teaches in claim 41, claim 42 is the computer program product claim having similar limitation in scope of claim 34 with second gesture part; therefore, it is rejected under similar rationale.

Re-claim 43, in addition to what Cranfill-Vong teaches in claim 10, claim 43 is the method claim having similar limitation in scope of claim 1 with second gesture part; therefore, it is rejected under similar rationale.

Re-claim 44, in addition to what Cranfill-Vong teaches in claim 30, claim 44 is the system claim having similar limitation in scope of claim 22 with second gesture part; therefore, it is rejected under similar rationale.

Claims 9, 16, 29 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cranfill in view of Vong, and further in view of Huang et al. ("Huang", US PG-Pub. 2007/0296552 A1).

Re-claim 9, Cranfill-Vong teaches the method in claim 1, but Cranfill fails to teach a method, further comprising configuring predefined functions for one or more of said defined interface regions based on user preferences by said gesture based application. However, Huang teaches a method, further comprising configuring predefined functions for one or more of said defined interface regions based on user preferences by said gesture based application (Huang, [0095]. Huang describes user can assign functions to the blank keys/iconic location on universal remote control by drag and drop action).

Therefore, it would have been obvious to one having the ordinary skill in the art before the effective filing date of the claimed invention to modify the teachings of modified Cranfill with the above teachings of Huang in order to customize the UI menu item as user desire.

Re-claim 16, in addition to what Cranfill-Vong teaches in claim 10, claim 16 is the method claim having similar limitation in scope of claim 9; therefore, it is rejected under similar rationale.

Re-claim 29, in addition to what Cranfill-Vong teaches in claim 22, claim 29 is the system claim having similar limitation in scope of claim 9; therefore, it is rejected under similar rationale.

Re-claim 38, in addition to what Cranfill-Vong teaches in claim 34, claim 38 is the computer program product claim having similar limitation in scope of claim 9; therefore, it is rejected under similar rationale.

Response to Arguments

Applicant's arguments filed on 06/26/2017 have been fully considered as followings:

Applicant argues on pages 22-26 and 28-30 regarding to claims (1, 10, 17, 22, 30, 34, 41) and (8, 15, 21, 28, 37), respectively that Cranfill in view of Helms fails to teach the feature of "dynamically changing said predefined functions associated with said one of said first defined interface region and said one or more of said defined interface regions by said gesture based media recording application based on one or more of said communication modes and user preferences".

Examiner respectively submit that the feature is rejected in view of the new ground(s) of rejection and explained in details in the claims 1 and 8 rejection above.

Applicant argues on pages 26 and 27 regarding to claim 2 that Cranfill fails to teach the feature of switching from one communication mode to another.

Examiner respectively submit that claim 2 only claim **at least** one of the listed actions. Therefore, the rejection is based on **at least** one of the listed actions as explained in details in claim 2 rejection above. In addition, examiner attach an extra reference “Rohde et al.” which teaches the argument feature.

Applicant argues on pages 28 and 29 regarding to claim 3 that Cranfill fails to teach that streaming includes continuously recording, or recording at predetermined time intervals, or after completion.

Examiner respectively submit that claim 3 only claim “…streaming…at **one of**: (a) continuously while recording…, (b) at predefined time intervals…, (c)…”. Therefore, the rejection can be based on **only one** of the listed type of streaming as explained in details in claim 3 rejection above with option (a).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure including US PG-Pub. 2013/0052982 A1.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TUAN S. NGUYEN whose telephone number is

(571)270-7612. The examiner can normally be reached on Monday through Friday, 8:00AM-5:00PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, KEVIN L. YOUNG can be reached on (571)270-3180. 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.

/TUAN S NGUYEN/
Primary Examiner, Art Unit 2145

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
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.

PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)

Docket Number (Optional): KIRU-14NP-US

Application Number: 14/051,735

Filed: 10/11/2013

For: Multi-gesture Media Recording System

Art Unit: 2145

Examiner: Nguyen, Tuan S

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	$
☑ Three months (37 CFR 1.17(a)(3))	$1,400	$700	$350	$ 700
☐ 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 600314.

☐ 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 33802.

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

/a tankha/ — Signature

24-01-2018 — Date

Ashok Tankha — Typed or printed name

856-266-5145 — 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 _____ 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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:
Kieraj S. Mumick
Application No.: 14/051,735
Filed: 10/11/2013
Title: Multi-gesture Media Recording System

Examiner: Nguyen, Tuan S
Art Unit: 2145
Atty. Docket No.: KIRU-14NP-US

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

Response to non-final office action

Examiner Nguyen:

In response to the non-final office action mailed July 24, 2017, please amend the above-referenced application as follows:

Amendment to claims begins on page 2 of this response.

Remarks begin on page 19 of this response.

Petitioner Exhibit 1004, Page 303 of 653

Electronic Patent Application Fee Transmittal

Application Number:	14051735
Filing Date:	11-Oct-2013
Title of Invention:	Multi-gesture Media Recording System
First Named Inventor/Applicant Name:	Kieraj Singh Mumick
Filer:	Ashok Tankha
Attorney Docket Number:	KIRU-14NP-US

Filed as Small 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 - 3 months with $0 paid	2253	1	700	700
Miscellaneous:				
			Total in USD ($)	**700**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:
Kieraj S. Mumick
Application No.: 14/051,735
Filed: 10/11/2013
Title: Multi-gesture Media Recording System

Examiner: Nguyen, Tuan S
Art Unit: 2145
Atty. Docket No.: KIRU-14NP-US

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

TRANSMITTAL LETTER

1. **Attachments:** We are transmitting herewith the attached papers for the above identified patent application:

§ Response to office action (29 pages); and
§ Petition for 3 months' time extension, Form PTO/AIA/22.

2. **Fees:**

a. **$700** for three months' time extension.

3. **General Authorization to charge or credit fees:** The Director is hereby authorized to charge any underpayment of fee or any other fee that may be required to deposit account **# 600314.**

4. **Certificate Of Transmission Under 37 § CFR 1.8**: The undersigned hereby certifies that this Transmittal Letter and the papers as described in paragraph 1 hereinabove, are being electronically transmitted to the United States Patent and Trademark Office **via the USPTO electronic filing system** on this **24th** day of **January 2018.**

Respectfully submitted,

Date: January 24, 2018

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Amendment to claims

Claim 1 (currently amended): A computer implemented method for performing actions associated with recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of a mobile electronic device, comprising:

providing a gesture based media recording application, said gesture based media recording application, when executed by a processor, managing said graphical user interface of said mobile electronic device and actions associated with said recording of said media data in said one or more of said communication modes on said mobile electronic device;

defining a plurality of interface regions on said graphical user interface of said mobile electronic device by said gesture based media recording application, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said gesture based media recording application;

detecting a first gesture from among multiple gestures on a first defined interface region of said defined interface regions by said gesture based media recording application;

performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said first gesture on said first defined interface region;

dynamically changing, by said gesture based media recording application, said predefined functions associated with said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region based on said detected first gesture on said first defined interface region;

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detecting a second gesture from among said multiple gestures on one of: said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region by said gesture based media recording application; and

performing a second action associated with said recording of said media data, in response to said detection of said second gesture on said one of said defined interface regions, by said gesture based media recording application.

Claim 2 (previously presented): The computer implemented method of claim 1, wherein said first action and said second action are at least one of:

triggering said recording of said media data;

switching from said one of said communication modes to another one of said communication modes for said recording of said media data;

canceling said recording of said media data; and

generating and displaying a plurality of options for performing an operation associated with said recorded media data.

Claim 3 (previously presented): The computer implemented method of claim 1, further comprising streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data by said gesture based media recording application.

Claim 4 (previously presented): The computer implemented method of claim 1, wherein said communication modes comprise a push to talk communication mode, a tap to start

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communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

Claim 5 (previously presented): The computer implemented method of claim 1, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof.

Claim 6 (previously presented): The computer implemented method of claim 1, wherein said gestures comprise a drag and drop gesture, a click gesture, a double click gesture, a click and hold gesture, a tap gesture, a tap and hold gesture, a hold and swipe gesture, a touch gesture, a slide gesture, a glide gesture, a scrolling gesture, and any combination thereof.

Claim 7 (canceled).

Claim 8 (previously presented): The computer implemented method of claim 1, further comprising dynamically changing said predefined functions associated with said one of said first defined interface region and said one or more of said defined interface regions by said gesture based media recording application based on one or more of said communication modes and user preferences.

Claim 9 (previously presented): The computer implemented method of claim 1, further comprising configuring said predefined functions for said one or more of said defined interface regions based on user preferences by said gesture based media recording application.

Claim 10 (previously presented): A computer implemented method for performing actions associated with recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of a mobile electronic device, comprising:

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providing a gesture based media recording application, said gesture based media recording application, when executed by a processor, managing said graphical user interface of said mobile electronic device and actions associated with said recording of said media data in said one or more of said communication modes on said mobile electronic device;

defining a plurality of interface regions on said graphical user interface of said mobile electronic device by said gesture based media recording application, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said gesture based media recording application;

detecting a first gesture from among multiple gestures on a first defined interface region of said defined interface regions by said gesture based media recording application;

performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said first gesture on said first defined interface region; and

dynamically changing, by said gesture based media recording application, said predefined functions associated with one or more of said defined interface regions adjacent to said first defined interface region based on said detected first gesture on said first defined interface region.

Claim 11 (canceled).

Claim 12 (previously presented): The computer implemented method of claim 10, further comprising streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after

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initiation of said recording of said media data, and (c) after completion of said recording of said media data by said gesture based media recording application.

Claim 13 (previously presented): The computer implemented method of claim 10, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

Claim 14 (canceled).

Claim 15 (previously presented): The computer implemented method of claim 10, further comprising dynamically changing said predefined functions associated with said one of said first defined interface region by said gesture based media recording application based on one or more of said communication modes and user preferences.

Claim 16 (previously presented): The computer implemented method of claim 10, further comprising configuring said predefined functions for said one or more of said defined interface regions based on user preferences by said gesture based media recording application.

Claim 17 (currently amended): A computer implemented method for recording audio data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of a mobile electronic device, comprising:

> providing a gesture based audio recording application, said gesture audio recording application, when executed by a processor, managing said graphical user interface of said mobile electronic device and trigger said recording of said audio data in said one or more of said communication modes on said mobile electronic device;

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defining a plurality of interface regions on said graphical user interface of said mobile electronic device by said gesture based audio recording application, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said gesture based audio recording application;

detecting a first gesture from among multiple gestures on a first defined interface region of said defined interface regions by said gesture based audio recording application;

triggering recording of said audio data in one of said communication modes by said gesture based audio recording application, on said detection of said first gesture on said first defined interface region;

dynamically changing, by said gesture based audio recording application, said predefined functions associated with one or more of said defined interface regions adjacent to said first defined interface region based on said detected first gesture on said first defined interface region;

detecting a second gesture from among said multiple gestures on one of said defined interface regions-by said gesture based audio recording application; and

performing an action associated with said recording of said audio data, in response to said detection of said second gesture on said one of said defined interface regions, by said gesture based audio recording application.

Claim 18 (previously presented): The computer implemented method of claim 17, wherein said action is at least one of:

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switching from said one of said communication modes to another one of said communication modes for recording said audio data in said another one of said communication modes;

canceling said recording of said audio data in one of said communication modes; and

generating and displaying a plurality of options for performing an operation associated with said recorded audio data.

Claim 19 (previously presented): The computer implemented method of claim 17, wherein said communication modes comprise a press and hold communication mode and a tap to start communication mode.

Claim 20 (canceled).

Claim 21 (previously presented): The computer implemented method of claim 17, further comprising dynamically changing said predefined functions associated with said one of said first defined interface region and said one or more of said defined interface regions by said gesture based audio recording application based on one or more of said communication modes and user preferences.

Claim 22 (currently amended): A computer implemented system for performing actions associated with recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of a mobile electronic device, said computer implemented system comprising:

at least one processor;

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a non-transitory computer readable storage medium communicatively coupled to said at least one processor, said non-transitory computer readable storage medium configured to store said gesture based media recording application;

a gesture based media recording application that when executed by a processor, managing said graphical user interface of said mobile electronic device and actions associated with said recording of said media data in said one or more of said communication modes on said mobile electronic device, said gesture based media recording application comprising:

an interface definition module configured to define a plurality of interface regions on said graphical user interface of said mobile electronic device, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said interface definition module;

a detection module configured to detect a first gesture from among multiple gestures on a first defined interface region of said defined interface regions;

an action management module configured to perform a first action associated with said recording of said media data in one of said communication modes, on said detection of said first gesture on said first defined interface region;

said interface definition module configured to dynamically change said predefined functions associated with said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region based on said detected first gesture on said first defined interface region;

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said detection module further configured to detect a second gesture from among said multiple gestures on one of: said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region; and

said action management module configured to perform a second action associated with said recording of said media data, in response to said detection of said second gesture on said one of said defined interface regions.

Claim 23 (previously presented): The computer implemented system of claim 22, wherein said first action and said second action are at least one of:

triggering said recording of said media data;

switching from said one of said communication modes to another one of said communication modes for said recording of said media data;

canceling said recording of said media data; and

generating and displaying a plurality of options for performing an operation associated with said recorded media data.

Claim 24 (previously presented): The computer implemented system of claim 22, wherein said gesture based media recording application further comprises a media recording module configured to stream said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data.

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Claim 25 (previously presented): The computer implemented system of claim 22, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

Claim 26 (previously presented): The computer implemented system of claim 22, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof.

Claim 27 (canceled).

Claim 28 (previously presented): The computer implemented system of claim 22, wherein said interface definition module is further configured to dynamically change said predefined functions associated with said one of said first defined interface region and said one or more of said defined interface regions based on one or more of said communication modes and user preferences.

Claim 29 (previously presented): The computer implemented system of claim 22, wherein said interface definition module is further configured to configure predefined functions for one or more of said defined interface regions based on user preferences.

Claim 30 (previously presented): A computer implemented system for performing actions associated with recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of a mobile electronic device, said computer implemented system comprising:

at least one processor;

a non-transitory computer readable storage medium communicatively coupled to said at least one processor, said non-transitory computer readable storage medium configured to store a gesture based media recording application; and

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said gesture based media recording application that when executed by a processor, managing said graphical user interface of said mobile electronic device and actions associated with said recording of said media data in said one or more of said communication modes on said mobile electronic device, said gesture based media recording application comprising:

an interface definition module configured to define a plurality of interface regions on said graphical user interface of said mobile electronic device, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said interface definition module;

a detection module configured to detect a first gesture from among multiple gestures on a first defined interface region of said defined interface regions;

an action management module configured to perform a first action associated with said recording of said media data in one of said communication modes, on said detection of said first gesture on said first defined interface region; and

said interface definition module configured to dynamically change said predefined functions associated with one or more of said defined interface regions adjacent to said first defined interface region based on said detected first gesture on said first defined interface region.

Claim 31 (canceled)

Claim 32 (previously presented): The computer implemented system of claim 30, wherein said gesture based media recording application further comprises a media recording module configured to stream said media data to a server via a network at one

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of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data.

Claim 33 (previously presented): The computer implemented system of claim 30, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

Claim 34 (currently amended): A computer program product comprising a non-transitory computer readable storage medium, said non-transitory computer readable storage medium storing computer program codes that comprise instructions executable by at least one processor, said computer program codes comprising:

a first computer program code for defining a plurality of interface regions on a graphical user interface of a mobile electronic device;

a tenth computer program code for associating each of said defined interface regions with a predefined function from among a plurality of predefined functions;

a second computer program code for detecting a first gesture from among multiple gestures on a first defined interface region of said defined interface regions;

a third computer program code for performing a first action associated with recording of media data in one of a plurality of communication modes, on said detection of said first gesture on said first defined interface region, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof;

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a fourteenth computer program for dynamically changing said predefined functions associated with said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region based on said detected first gesture on said first defined interface region;

a fourth computer program code for detecting a second gesture from among said multiple gestures on one of: said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region; and

a fifth computer program code for performing a second action associated with said recording of said media data, in response to said detection of said second gesture on said one of said defined interface regions.

Claim 35 (previously presented): The computer program product of claim 34, wherein said third computer program code and said fifth computer program code comprise at least one of:

a sixth computer program code for triggering said recording of said media data;

a seventh computer program code for switching from said one of said communication modes to another one of said communication modes for said recording of said media data;

an eighth computer program code for canceling said recording of said media data; and

a ninth computer program code for generating and displaying a plurality of options for performing an operation associated with said recorded media data.

Claim 36 (canceled).

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Claim 37 (previously presented): The computer program product of claim 34, wherein said computer program codes further comprise an eleventh computer program code for dynamically changing said predefined functions-associated with said one of said first defined interface region and said one or more of said defined interface regions-based on one or more of said communication modes and user preferences.

Claim 38 (previously presented): The computer program product of claim 34, wherein said computer program codes further comprise a twelfth computer program code for configuring predefined functions for one or more of said defined interface regions based on user preferences.

Claim 39 (previously presented): The computer program product of claim 34, wherein said computer program codes further comprise a thirteenth computer program code for streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data.

Claim 40 (previously presented): The computer program product of claim 34, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode.

Claim 41 (previously presented): A computer program product comprising a non-transitory computer readable storage medium, said non-transitory computer readable storage medium storing computer program codes that comprise instructions executable by at least one processor, said computer program codes comprising:

a first computer program code for defining a plurality of interface regions on a graphical user interface of a mobile electronic device;

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a tenth computer program code for associating each of said defined interface regions with a predefined function from among a plurality of predefined functions;

a second computer program code for detecting a first gesture from among multiple gestures on a first defined interface region of said defined interface regions;

a third computer program code for performing a first action associated with recording of media data in one of a plurality of communication modes, on said detection of said first gesture on said first defined interface region, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof; and

a fourteenth computer program for dynamically changing said predefined functions associated with one or more of said defined interface regions adjacent to said first defined interface region based on said detected first gesture on said first defined interface region.

Claim 42 (previously presented): The computer program product of claim 41, further comprising:

a fourth computer program code for detecting a second gesture from among said multiple gestures on one of said defined interface regions; and

a fifth computer program code for performing a second action, in response to said detection of said second gesture on said one of said defined interface regions.

Claim 43 (previously presented): The computer implemented method of claim 10, further comprising:

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detecting a second gesture from among said multiple gestures on one of said defined interface regions by said gesture based media recording application; and

performing a second action, in response to said detection of said second gesture on said one of said defined interface regions, by said gesture based media recording application.

Claim 44 (previously presented): The computer implemented system of claim 30, further comprising:

said detection module further configured to detect a second gesture from among said multiple gestures on one of said defined interface regions; and

said action management module configured to perform a second action, in response to said detection of said second gesture on said one of said defined interface regions.

Claim 45 (new): The computer implemented method of claim 43, wherein said first action and said second action are at least one of:

triggering said recording of said media data;

switching from said one of said communication modes to another one of said communication modes for said recording of said media data;

canceling said recording of said media data; and

generating and displaying a plurality of options for performing an operation associated with said recorded media data.

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Claim 46 (new): The computer implemented system of claim 44, wherein said first action and said second action are at least one of:

triggering said recording of said media data;

switching from said one of said communication modes to another one of said communication modes for said recording of said media data;

canceling said recording of said media data; and

generating and displaying a plurality of options for performing an operation associated with said recorded media data.

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Electronic Acknowledgement Receipt

EFS ID:	31586885
Application Number:	14051735
International Application Number:	
Confirmation Number:	3926
Title of Invention:	Multi-gesture Media Recording System
First Named Inventor/Applicant Name:	Kieraj Singh Mumick
Correspondence Address:	Ashok Tankha - 36 Greenleigh Drive - Sewell NJ 08080 US 856-266-5145 ash@ipprocure.com
Filer:	Ashok Tankha
Filer Authorized By:	
Attorney Docket Number:	KIRU-14NP-US
Receipt Date:	24-JAN-2018
Filing Date:	11-OCT-2013
Time Stamp:	05:52:45
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$700

RAM confirmation Number	012418INTEFSW06081000
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	Transmittal Letter	KIRU-14NP-US_Transmittal_Letter.pdf	504664 88d81e313c4b1027e083e4376a299c674c3cedb9	no	1
Warnings:					
Information:					
2	Amendment/Req. Reconsideration-After Non-Final Reject	KIRU-14NP-US_Response.pdf	12409987 a16f8d5c8cfda1e18e069ebf672421c99fa83670	no	29
Warnings:					
Information:					
3	Extension of Time	KIRU-14NP-US_aia0022.pdf	187640 3e3449db32ee81351277438249 3dd5b7893c7e3d	no	2
Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	30128 cb2d3567dc2da3d5272ead52a4aaead881a051fd	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	13132419		

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.

Remarks

The Pending Claims

Claims 1-46 are currently pending. Reconsideration and allowance of the pending claims is respectfully requested.

Summary of the Office Action

Claim Rejections - 35 USC § 103

Claims 1-6, 8, 10-13, 15, 17-19, 21-26, 28, 30-35, 37 and 39-44 are rejected under 35 U.S.C. 103 as being unpatentable over Cranfill et al., US 2011/0249074 (hereinafter "Cranfill") in view of Vong et al., US 2004/0216059 A1 (hereinafter referred as "Vong").

Claims 9, 16, 29 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cranfill in view of Vong, and further in view of Huang et al., US 2007/0296552 A1 (hereinafter referred as "Huang").

Amendment to the claims

Claims 1, 17, 22, and 34 are currently amended; claims 2-6, 8-10, 12-13, 15-16, 18-19, 21, 23-26, 28-30, 32-33, 35 and 37-44 remain as previously presented; claims 7, 11, 14, 20, 27, 31 and 36 are cancelled; claims 45-46 are new.

Applicant respectfully submits that the claim amendments do not add new subject matter.

Response to rejections

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The office action states: "**Claims 1-6, 8, 10-13, 15, 17-19, 21-26, 28, 30-35, 37 and 39-44 are rejected under 35 U.S.C. 103 as being unpatentable over Cranfill in view of Vong.**"

In response to the above rejection, applicant respectfully submits that Cranfill in view of Vong does not teach or suggest the following limitations in amended claim 1:

> "performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said first gesture on said first defined interface region;"
>
> "performing a second action associated with said recording of said media data, in response to said detection of said second gesture on said one of said defined interface regions, by said gesture based media recording application."

In amended claim 1, applicant claims a method for performing actions associated with recording media data in one or more of a plurality of communication modes. Examples of communication modes for recording the media data comprise a push to talk (PTT) communication mode, a release to record (RTR) communication mode, and a tap to end (TTE) communication mode. Moreover, recording media data in the one or more communication modes is based on one or more gestures on a graphical user interface **302** of a mobile electronic device **303**. The method begins by providing a gesture based media recording application **801** configured to manage the graphical user interface **302** of the mobile electronic device **303** and actions associated with the recording of the media data in the one or more communication modes on the mobile electronic device **303**. Further, a plurality of interface regions is defined on the graphical user interface **302** of said mobile electronic device **303** by said gesture based media recording application **801**. Each of the defined interface regions is associated with a predefined function from among a plurality of predefined functions on the graphical user interface **302** by said gesture based media recording application **801**.

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Furthermore, a first gesture from among multiple gestures is detected on a first defined interface region of the defined interface regions by the gesture based media recording application **801.** A first action associated with the recording of the media data in one of the communication modes is performed by the gesture based media recording application **801**. Thereafter, the predefined functions associated with the first defined interface regions and one or more of the defined interface regions adjacent to the first defined interface region are dynamically changed by the gesture based media recording application **801** based on the detected first gesture on the first defined interface region. A second gesture from among said multiple gestures is detected on one of the first defined interface region and the one or more of the defined interface regions by the gesture based media recording application **801**. Accordingly, a second action associated with said recording of said media data is performed, in response to the detection of the second gesture on the one of the defined interface regions by the gesture based media recording application **801**.

In the limitation: "*performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said first gesture on said first defined interface region*" in amended claim 1, applicant teaches that the gesture based media recording application **801** performs a first action associated with the recording of the media data in one of the communication modes.

Page 4 of the office action states that FIG. 12 and paragraphs [0234 and 0235] of Cranfill discloses the above limitation. Applicant respectfully disagrees and presents the following arguments.

Applicant submits that the above limitation in amended claim 1 recites a step of performing a first action associated with the recording of the media data in one of the communication modes on detection of the first gesture on one of the defined interface regions. For example, the media recording application configured as an audio recording application. In this example, the communication mode for recording the audio data is, for

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example, a push to talk (PTT) communication mode, a release to record (RTR) communication mode, and a tap to end (TTE) communication mode. The user performs a press and hold gesture (first gesture) on the interface region **301b** (see FIG. **4A** of applicant's original application reproduced below). The audio recording application detects the press and hold gesture (first gesture) on the interface region **301b**. In response to the detection of the press and hold gesture (first gesture), the audio recording application triggers recording of the audio data (first action) in the push to talk (PTT) communication mode and simultaneously associates new predefined functions to the interface regions **301a**, **301b**, and **301c** (see FIG. **4B** of applicant's original application reproduced below). The new predefined function associated with the interface region **301b** is "hold to record (HTR)/release to stop (RTS)", indicating that the user needs to continue holding the interface region **301b** for recording the audio data and can release the button to stop recording or save the recorded audio data. The new predefined function associated with the interface region **301a** is to cancel and delete the current audio data which is being recorded. The new predefined function assigned to the interface region **301c** is to record the current audio data in the release to record (RTR) communication mode.

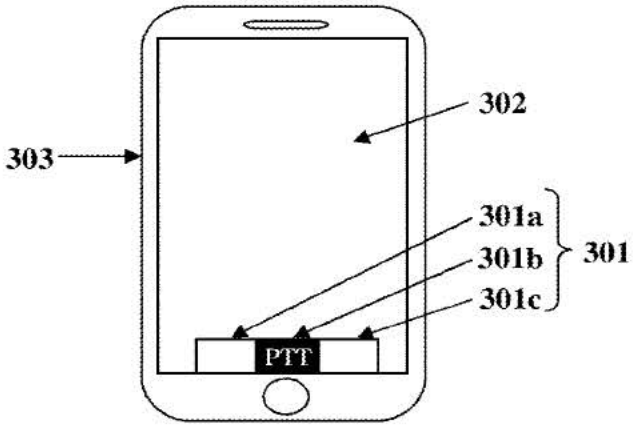


FIG. 4A

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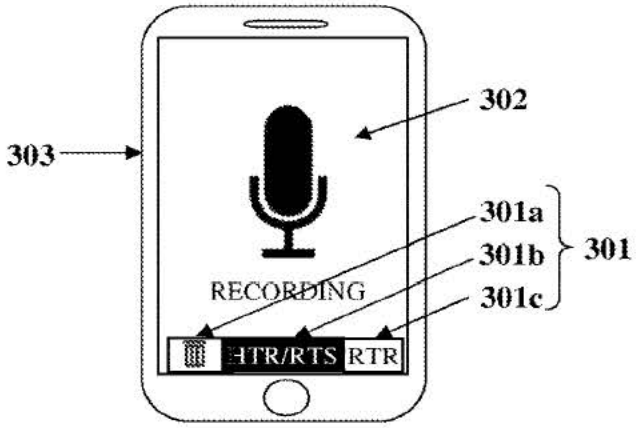


FIG. 4B

Cranfill in view of Vong does not teach or suggest the step of performing a first action associated with the recording of the media data in one of the communication modes on detection of the first gesture on one of the defined interface regions.

In contrast, Cranfill teaches, *inter alia*, modifying a composite display of a first mobile display that is engaged in a video conference with a second device and the like. Cranfill's menu bar **1155** merely shows the two selectable UI items **1275** and **1246** for accepting and ending a video conferencing call (see Cranfill Figure 12). In applicant's method, the first action is associated with the recording of the media data in one of the communication modes and is not used to accept or end a video conferencing call as taught by Cranfill.

Also, in contrast, Vong teaches, *inter alia*, a control panel unit for a computing device with buttons, wherein upon activation of a button, the viewable states of the buttons changes. More specifically, Vong teaches using context sensitive soft labels (such as VIEW, READ, DELETE, OPEN ON PC in display regions 630, 640, 650, 660) which indicate the function, action or task that can be performed in the context of an application

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limited to messaging, music, calendar or news, when the corresponding button is actuated. Vong does not teach or suggest performing actions associated with a recording application in one or more of a plurality of communication modes. In view of the arguments presented above, applicant submits that Cranfill in view of Vong does not teach or suggest the following limitation in amended claim 1:

> "performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said first gesture on said first defined interface region".

Furthermore, in the limitation: "*performing a second action associated with said recording of said media data, in response to said detection of said second gesture on said one of said defined interface regions, by said gesture based media recording application.*" applicant claims that the gesture based media recording application **801** performs a second action associated with the recording of media data on detecting a second gesture on one of the interface regions.

Page 6 of the office action states that Fig. 13B of Vong teaches the above limitation. Applicant respectfully disagrees and presents the following arguments.

Applicant recites a step of performing a second action associated with the recording of the media data, in response to the detection of the second gesture on one of the defined interface regions. In the above example, the media recording application configured as an audio recording application allows the user to perform an action (second action), for example, cancel the audio data being recorded, delete the recorded audio data, change the communication mode for recording the audio data, save the recorded audio data as a draft, etc., without having to go through various dialogs and/or menus to perform the action (second action) after and/or during recording of the audio data (see FIG. **4C** of applicant's original application reproduced below). When the user slides and releases his/her finger (second gesture) on the GUI **302** from the interface region **301b** to the interface region **301c**, the audio recording application detects the user's slide and

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release gesture (second gesture) on the interface region **301c**, the audio recording application executes the predefined function associated with the interface region **301c** and continues recording the audio data in the RTR communication mode (second action). Furthermore, the user can terminate the recording of the audio data (second action) by tapping (second gesture) on the interface region **301b** or **301c**.

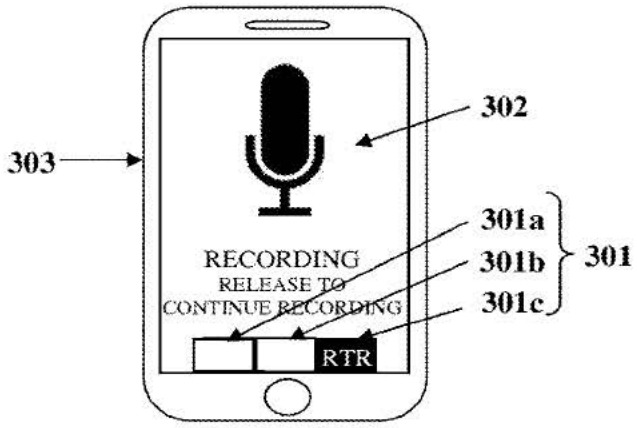


FIG. 4C

Cranfill in view of Vong does not teach or suggest a step of performing a second action associated with the recording of the media data, in response to the detection of the second gesture on one of the defined interface regions.

In FIG. 13B, Vong teaches, *inter alia*, flow sequences within a calendar application. The context sensitive soft labels (such as DETAILS, PREV DAY, NEXT DAY, OPEN ON PC in display regions 630, 640, 650, 660) which indicate the function, action or task that can be performed in the context of an application is limited to a calendar when the corresponding button is actuated. Vong does not teach or suggest performing actions associated with a recording of the media data. In view of the arguments presented above, applicant submits that Cranfill in view of Vong does not teach or suggest the following limitation in amended claim 1:

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"performing a second action associated with said recording of said media data, in response to said detection of said second gesture on said one of said defined interface regions, by said gesture based media recording application."

Therefore, applicant submits that even if both Cranfill and Vong are combined as suggested in the office action, there is no reasonable expectation of success in arriving at the following limitations in applicant's amended claim 1:

"performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said first gesture on said first defined interface region;"

"performing a second action associated with said recording of said media data, in response to said detection of said second gesture on said one of said defined interface regions, by said gesture based media recording application."

Therefore, claim 1 is non-obvious over Cranfill in view of Vong. Accordingly, applicant respectfully requests that the rejection of claim 1 under 35 U.S.C. 103 be reconsidered and withdrawn.

Independent claims 10, 17, 22 and 34 are analogous to claim 1 and recite limitations similar to claim 1. Since claim 1 is non-obvious over Cranfill in view of Vong, applicant submits that the claims 10, 17, 22 and 34 are also non-obvious over Cranfill in view of Vong. Therefore, applicant respectfully requests that the rejection of claims 10, 17, 22 and 34 under 35 U.S.C. 103 be reconsidered and withdrawn.

Claims 2-6, 8, 12-13, 15, 18, 19, 21, 23-26, 28, 32-33, 35, 37, 39, 40, 42, and 43 are dependent on independent claims 1, 10, 17, 22, 30, 34 and 41. Since claims 1, 10, 17, 22, 30, 34, and 41 are non-obvious over Cranfill in view of Vong, applicant submits that dependent claims 3-6, 8, 12-13, 15, 19, 21, 24-26, 28, 32-33, 37, 39, 40, 42, and 43 are also non-obvious over Cranfill in view of Vong. Therefore, applicant respectfully

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requests that the rejection of claims 3-6, 8, 12-13, 15, 19, 21, 24-26, 28, 32-33, 37, 39, 40, 42, and 43, under 35 U.S.C. 103 be reconsidered and withdrawn.

Claims 11 and 31 are cancelled. Therefore, rejection of claims 11 and 31 is moot.

The office action states: "**Claims 9, 16, 29 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cranfill in view of Vong, and further in view of Huang.**"

In an earlier part of this response, applicant presented arguments to show that Cranfill in view of Vong does not teach or suggest the following limitations of amended claim 1:

> "performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said first gesture on said first defined interface region;"
>
> "performing a second action associated with said recording of said media data, in response to said detection of said second gesture on said one of said defined interface regions, by said gesture based media recording application."

Huang discloses, *inter alia*, an application related to remote control systems. More specifically, Huang teaches configuring and setting up a universal remote control for controlling remotely controllable appliances. Applicant respectfully submits that Huang does not remedy the deficiencies in Cranfill and Vong, as Huang does not teach or suggest the following limitations in amended claim 1:

> "performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said first gesture on said first defined interface region;"

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"performing a second action associated with said recording of said media data, in response to said detection of said second gesture on said one of said defined interface regions, by said gesture based media recording application."

Claim 1 is therefore non-obvious over Cranfill in view of Vong, and further in view of Huang. Accordingly, applicant respectfully requests that the rejection of claim 1 under 35 U.S.C. 103(a) be reconsidered and withdrawn.

Independent claims 10, 17, 22 and 34 are analogous to claim 1 and recite limitations similar to claim 1. Since claim 1 is non-obvious over Cranfill in view of Vong, and further in view of Huang, applicant submits that the claims 10, 17, 22 and 34 are also non-obvious over Cranfill in view of Vong, and further in view of Huang. Therefore, applicant respectfully requests that the rejection of claims 10, 17, 22 and 34 under 35 U.S.C. 103(a) be reconsidered and withdrawn.

Since independent claims 1, 10, 22 and 34 are not obvious over Cranfill in view of Vong, dependent claims 9, 16, 29 and 38 are also not obvious Cranfill in view of Vong and also further in view of Huang. Therefore, the applicant respectfully requests that the rejection of claims 9, 16, 29 and 38 under 35 U.S.C. 103(a) be reconsidered and withdrawn.

Conclusion

Applicant respectfully requests that a timely Notice of Allowance be issued in this application. In the interest of compact prosecution, if the prosecution of the application can be advanced or if a claim may be made potentially allowable by an Examiner's amendment, applicant requests Examiner Nguyen to call the undersigned with the proposed amendment.

Respectfully submitted,

Date: January 24, 2018

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 14/051,735	Filing Date 10/11/2013	☐ 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 01/24/2018

	(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))	* 39	Minus	** 40	= 0	X $50 =	0
Independent (37 CFR 1.16(h))	* 7	Minus	***7	= 0	X $230 =	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
VENESSA JONES

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.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/051,735	Mumick, Kieraj Singh
	Examiner	Art Unit
	TUAN S NGUYEN	2145

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

CLAIMS

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

CLAIM		DATE								
Final	Original	07/22/2016	01/24/2017	07/21/2017	04/17/2018					
	1	✓	✓	✓	✓					
	2	✓	✓	✓	✓					
	3	✓	✓	✓	✓					
	4	✓	✓	✓	✓					
	5	✓	✓	✓	✓					
	6	✓	✓	✓	✓					
	7	✓	-	-	-					
	8	✓	✓	✓	✓					
	9	✓	✓	✓	✓					
	10	✓	✓	✓	✓					
	11	✓	✓	✓	-					
	12	✓	✓	✓	✓					
	13	✓	✓	✓	✓					
	14	✓	-	-	-					
	15	✓	✓	✓	✓					
	16	✓	✓	✓	✓					
	17	✓	✓	✓	✓					
	18	✓	✓	✓	✓					
	19	✓	✓	✓	✓					
	20	✓	-	-	-					
	21	✓	✓	✓	✓					
	22	✓	✓	✓	✓					
	23	✓	✓	✓	✓					
	24	✓	✓	✓	✓					
	25	✓	✓	✓	✓					
	26	✓	✓	✓	✓					
	27	✓	-	-	-					
	28	✓	✓	✓	✓					
	29	✓	✓	✓	✓					
	30	✓	✓	✓	✓					
	31	✓	✓	✓	-					
	32	✓	✓	✓	✓					
	33	✓	✓	✓	✓					
	34	✓	✓	✓	✓					
	35	✓	✓	✓	✓					
	36	✓	-	-	-					
	37	✓	✓	✓	✓					
	38	✓	✓	✓	✓					
	39	✓	✓	✓	✓					
	40	✓	✓	✓	✓					
	41			✓	✓					
	42			✓	✓					

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/051,735	Mumick, Kieraj Singh
	Examiner	Art Unit
	TUAN S NGUYEN	2145

CLAIM		DATE								
Final	Original	07/22/2016	01/24/2017	07/21/2017	04/17/2018					
	43			✓	✓					
	44			✓	✓					
	45				✓					
	46				✓					

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14/051,735	Mumick, Kieraj Singh
	Examiner	Art Unit
	TUAN S NGUYEN	2145

CPC - Searched*		
Symbol	Date	Examiner
Conduct EAST CPC search on (H04N5/44543 G11B27/34 H04N21/4622) with limited keys.	7/22/2016	TN
Conduct EAST CPC search on (H04N5/44543 G11B27/34 H04N21/4622) with limited keys.	1/24/2017	TN
Conduct EAST CPC search on (H04N5/44543 G11B27/34 H04N21/4622) with limited keys.	7/21/2017	TN

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Conduct EAST inventor name search	7/22/2016	TN
Conduct EAST search	7/22/2016	TN
Conduct EAST search	1/24/2017	TN
Conduct EAST search	7/21/2017	TN
Conduct EAST search	04/17/2018	TN

/TUAN S NGUYEN/ Primary Examiner.Art Unit 2145	

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
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Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	See interference search attached	7/22/2016	TN

/TUAN S NGUYEN/ Primary Examiner.Art Unit 2145	

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/051,735	10/11/2013	Kieraj Singh Mumick	KIRU-14NP-US	3926

7590 04/20/2018

Ashok Tankha
36 Greenleigh Drive
Sewell, NJ 08080

EXAMINER	
NGUYEN, TUAN S	

ART UNIT	PAPER NUMBER
2145	

MAIL DATE	DELIVERY MODE
04/20/2018	PAPER

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.

Office Action Summary	Application No. 14/051,735	Applicant(s) Mumick, Kieraj Singh	
	Examiner TUAN S NGUYEN	Art Unit 2145	AIA Status Yes

-- 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 01/24/2018.

☐ 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) 1-6,8-10,12-13,15-19,21-26,28-30,32-35 and 37-46 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) 1-6,8-10,12-13,15-19,21-26,28-30,32-35 and 37-46 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: _____.

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

DETAILED ACTION

Claims 1-6, 8-10, 12, 13, 15-19, 21-26, 28-30, 32-35, 37-46 are pending in this application. Claims 1, 10, 17, 22, 30 and 34 are independent claims. This Office Action is made Final.

Claim Rejections - 35 USC § 103

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

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102 of this title, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-6, 8, 10, 12-13, 15, 17-19, 21-26, 28, 30, 32-35, 37 and 39-46 are rejected under 35 U.S.C. 103 as being unpatentable over Cranfill et al. ("Cranfill", US PG-Pub. 2011/0249074 A1) in view of Vong et al. ("Vong", US PG-Pub. 2004/0216059 A1).

Re-claim 1,

Cranfill teaches a computer implemented method for performing actions associated with recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of a mobile electronic device, comprising:

providing a gesture based media recording application, said gesture based media recording application, when executed by a processor, managing said graphical user interface of said mobile electronic device and actions associated with said recording of said media data in said one or more of said communication modes on said mobile electronic device **(Cranfill, Fig. 12. Cranfill describes the gesture based video conference application that records and streams the video from both conferees. The video conference application is considered as a media recording application that recording the video conference to communicate among conferees. Thus, the video conference is one of the communication mode)**;

defining a plurality of interface regions on said graphical user interface of said mobile electronic device by said gesture based media recording application, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said gesture based media recording application **(Cranfill, Fig. 12, [0238-0240]. Cranfill describes the video conference application defining the menu bar area 1155, the menu options 1246, 1275 that can be in many different layout, locations in a dynamic manner)**;

detecting a first gesture from among multiple gestures on a first defined interface region of said defined interface regions by said gesture based media recording application (**Cranfill, Fig. 12, [0234, 0235]. Cranfill describes the user touching input on the "Accept" button 1275 is detected to start the video conferencing**);

performing a first action associated with said recording of said media data in one of said communication modes by said gesture based media recording application, on said detection of said first gesture on said first defined interface region (**Cranfill, Fig. 12, [0234, 0235]. Cranfill describes the video conference is started at the Fourth stage and recording the video**);

Cranfill fails to teach dynamically changing, by said gesture based application, said predefined functions associated with said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region based on said detected first gesture on said first defined interface region; detecting a second gesture from among said multiple gestures on one of: said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region, by said gesture based application; and performing a second action associated with said user selection, in response to said detection of said second gesture on: said one of said defined interface regions, by said gesture based application.

However, Vong teaches:

dynamically changing, by said gesture based application, said predefined functions associated with said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region based on said

detected first gesture on said first defined interface region **("Vong", Figs. 4, 13B, 13D, [0047]. Vong describes the concept of dynamically changing the graphical user interface on touchscreen display with the subsequent associated function menu selections based on the context defined by one or more first selection (i.e. calendar first selection, music first selection)**;

detecting a second gesture from among said multiple gestures on one of: said first defined interface region and one or more of said defined interface regions adjacent to said first defined interface region, by said gesture based application **("Vong", Fig. 13B. Vong describes the subsequent user input is received on either "Details" or "Previous Day", etc.)**; and

performing a second action associated with said user selection, in response to said detection of said second gesture on: said one of said defined interface regions, by said gesture based application **("Vong", Fig. 13B. Vong describes the subsequent associated function menu or content of "Details" or "Previous Day" are displayed to be executed further)**.

Therefore, it would have been obvious to one having the ordinary skill in the art before the effective filing date of the claimed invention to modify the teachings of Cranfill with the above teachings of Vong in order to provide the dynamic subsequent menu for further operation of the media recording application.

Re-claim 2,

in addition to what Cranfill-Vong teaches in claim 1,

Cranfill also teaches the method, wherein said first action and said second action are at least one of: triggering said recording of said media data, switching from said one of said communication modes to another one of said communication modes for said recording of said media data, canceling said recording of said media data, generating and displaying a plurality of options for performing an operation associated with said recorded media data, and combinations thereof **(Cranfill, Fig. 12, [0234, 0235]. Cranfill describes the first action is triggering the beginning of the video conference recording by selecting the "Accept" button and the second action is canceling said recording of said media data by selecting the End conference button 1287)**.

Re-claim 3,

in addition to what Cranfill-Vong teaches in claim 1,

Cranfill also teaches the method, further comprising streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data by said gesture based media recording application **(Cranfill, Figs. 10, 12. Cranfill describes the video data of the conference are streaming to a server 1015 via a network continuously while recording)**.

Re-claim 4,

in addition to what Cranfill-Vong teaches in claim 1,

Cranfill also teaches the method, wherein said communication modes comprise a push to talk communication mode, a tap to start communication mode, a release to record communication mode, a release to stop communication mode, and a tap to end communication mode **(Cranfill, Fig.12. Cranfill describes the "tap to start" the Video conference by "Accept" button 1275, "tap to end" by "End Conference" button 1287)**.

Re-claim 5,

in addition to what Cranfill-Vong teaches in claim 1,

Cranfill also teaches the method, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof **(Cranfill, Fig. 12. Cranfill describes the media data is audio data and video data)**.

Re-claim 6,

in addition to what Cranfill-Vong teaches in claim 1,

Cranfill also teaches the method, wherein said gestures comprise a drag and drop gesture, a click gesture, a double click gesture, a click and hold gesture, a tap gesture, a tap and hold gesture, a hold and swipe gesture, a touch gesture, a slide gesture, a glide gesture, a scrolling gesture, and any combination thereof **(Cranfill, Fig. 12. Cranfill describes the gesture is a touch gesture or a tap gesture)**.

Re-claim 8,

Cranfill-Vong teaches the method in claim 1, but Cranfill fails to teach a method, further comprising dynamically changing said predefined functions associated with one of said first defined interface region and said one or more of said defined interface regions by said gesture based application based on one or more of application modes and user preferences.

However, Vong teaches a method, further comprising:

dynamically changing said predefined functions associated with one of said first defined interface region and said one or more of said defined interface regions by said gesture based application based on one or more of application modes and user preferences **("Vong", Figs. 4, 13B, 13D, [0047]. Vong describes the concept of dynamically changing the graphical user interface on touchscreen display with the subsequent associated function menu selections based on the context defined by one or more first selection (i.e. calendar first selection, music first selection)**.

Therefore, it would have been obvious to one having the ordinary skill in the art before the effective filing date of the claimed invention to modify the teachings of Cranfill with the above teachings of Vong in order to provide the subsequent menu for further operation of the media recording application.

Re-claim 10,

it is a method claim having similar limitation in scope of claim 1; therefore, it is rejected under similar rationale.

Re-claim 12,

in addition to what Cranfill-Vong teaches in claim 10, claim 12 is the method claim having similar limitation in scope of claim 3; therefore, it is rejected under similar rationale.

Re-claim 13,

in addition to what Cranfill-Vong teaches in claim 10, claim 13 is the method claim having similar limitation in scope of claim 4; therefore, it is rejected under similar rationale.

Re-claim 15,

in addition to what Cranfill-Vong teaches in claim 10, claim 15 is the method claim having similar limitation in scope of claim 8; therefore, it is rejected under similar rationale.

Re-claim 17,

it is a method claim having similar limitation in scope of claim 11 with audio data; therefore, it is rejected under similar rationale.

Re-claim 18,

in addition to what Cranfill teaches in claim 17,

Cranfill also teaches the method, wherein said action is at least one of: switching from said one of said communication modes to another one of said communication

modes for said recording of said media data, canceling said recording of said media data, generating and displaying a plurality of options for performing an operation associated with said recorded media data, and combinations thereof **(Cranfill, Fig. 12, [0238-0240]. Cranfill describes the second action is "end conference" action with gesture on button 1287)**.

Re-claim 19,

in addition to what Cranfill-Vong teaches in claim 17, claim 19 is the method claim having similar limitation in scope of claim 4; therefore, it is rejected under similar rationale.

Re-claim 21,

in addition to what Cranfill-Vong teaches in claim 17, claim 21 is the method claim having similar limitation in scope of claim 8; therefore, it is rejected under similar rationale.

Re-claim 22,

Cranfill teaches a computer implemented system for performing actions associated with recording media data in one or more of a plurality of communication modes based on one or more gestures on a graphical user interface of a mobile electronic device, said computer implemented system comprising:

at least one processor **(Cranfill, Fig. 89. Cranfill describes the processor 8905)**;

a non-transitory computer readable storage medium communicatively coupled to said at least one processor, said non-transitory computer readable storage medium configured to store said gesture based media recording application **(Cranfill, Fig. 89. Cranfill describes the memory 8970)**; and

other gesture based media recording application's modules performing similar functional limitations in scope of claim 1 taught by Cranfill in view of Vong; therefore, it is rejected under similar rationale.

Re-claim 23,

in addition to what Cranfill-Vong teaches in claim 22, claim 23 is the system claim having similar limitation in scope of claim 2; therefore, it is rejected under similar rationale.

Re-claim 24,

in addition to what Cranfill-Vong teaches in claim 22, claim 24 is the system claim having similar limitation in scope of claim 3; therefore, it is rejected under similar rationale.

Re-claim 25,

in addition to what Cranfill-Vong teaches in claim 22, claim 25 is the system claim having similar limitation in scope of claim 4; therefore, it is rejected under similar rationale.

Re-claim 26,

in addition to what Cranfill-Vong teaches in claim 22, claim 26 is the system claim having similar limitation in scope of claim 5; therefore, it is rejected under similar rationale.

Re-claim 28,

in addition to what Cranfill-Vong teaches in claim 22, claim 28 is the system claim having similar limitation in scope of claim 8; therefore, it is rejected under similar rationale.

Re-claim 30,

it is the system claim having similar limitation in scope of claim 22; therefore, it is rejected under similar rationale.

Re-claim 32,

in addition to what Cranfill-Vong teaches in claim 30, claim 32 is the system claim having similar limitation in scope of claim 24; therefore, it is rejected under similar rationale.

Re-claim 33,

in addition to what Cranfill-Vong teaches in claim 30, claim 33 is the system claim having similar limitation in scope of claim 25; therefore, it is rejected under similar rationale.

Re-claim 34,

it is the computer program product claim having similar limitation in scope of claims 1 and 5; therefore, it is rejected under similar rationale.

Re-claim 35,

in addition to what Cranfill-Vong teaches in claim 34, claim 35 is the computer program product claim having similar limitation in scope of claim 2; therefore, it is rejected under similar rationale.

Re-claim 37,

in addition to what Cranfill-Vong teaches in claim 34, claim 37 is the computer program product claim having similar limitation in scope of claim 8; therefore, it is rejected under similar rationale.

Re-claim 39,

in addition to what Cranfill-Vong teaches in claim 34, claim 39 is the computer program product claim having similar limitation in scope of claim 3; therefore, it is rejected under similar rationale.

Re-claim 40,

in addition to what Cranfill-Vong teaches in claim 34, claim 40 is the computer program product claim having similar limitation in scope of claim 4; therefore, it is rejected under similar rationale.

Re-claim 41,

it is the computer program product claim having similar limitation in scope of claim 34; therefore, it is rejected under similar rationale.

Re-claim 42,

in addition to what Cranfill-Vong teaches in claim 41, claim 42 is the computer program product claim having similar limitation in scope of claim 34 with second gesture part; therefore, it is rejected under similar rationale.

Re-claim 43,

in addition to what Cranfill-Vong teaches in claim 10, claim 43 is the method claim having similar limitation in scope of claim 1 with second gesture part; therefore, it is rejected under similar rationale.

Re-claim 44,

in addition to what Cranfill-Vong teaches in claim 30, claim 44 is the system claim having similar limitation in scope of claim 22 with second gesture part; therefore, it is rejected under similar rationale.

Re-claim 45,

in addition to what Cranfill-Vong teaches in claim 43, claim 45 is the method claim having similar limitation in scope of claim 2; therefore, it is rejected under similar rationale.

Re-claim 46,

in addition to what Cranfill-Vong teaches in claim 44, claim 46 is the system claim having similar limitation in scope of claim 23; therefore, it is rejected under similar rationale.

Claims 9, 16, 29 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cranfill in view of Vong, and further in view of Huang et al. ("Huang", US PG-Pub. 2007/0296552 A1).

Re-claim 9,

Cranfill-Vong teaches the method in claim 1, but Cranfill fails to teach a method, further comprising configuring predefined functions for one or more of said defined interface regions based on user preferences by said gesture based application.

However, Huang teaches a method, further comprising:

configuring predefined functions for one or more of said defined interface regions based on user preferences by said gesture based application **(Huang, [0095]. Huang describes user can assign functions to the blank keys/iconic location on universal remote control by drag and drop action)**.

Therefore, it would have been obvious to one having the ordinary skill in the art before the effective filing date of the claimed invention to modify the teachings of modified Cranfill with the above teachings of Huang in order to customize the UI menu item as user desire.

Re-claim 16,

in addition to what Cranfill-Vong teaches in claim 10, claim 16 is the method claim having similar limitation in scope of claim 9; therefore, it is rejected under similar rationale.

Re-claim 29,

in addition to what Cranfill-Vong teaches in claim 22, claim 29 is the system claim having similar limitation in scope of claim 9; therefore, it is rejected under similar rationale.

Re-claim 38,

in addition to what Cranfill-Vong teaches in claim 34, claim 38 is the computer program product claim having similar limitation in scope of claim 9; therefore, it is rejected under similar rationale.

Response to Arguments

Applicant's arguments filed on 01/24/2018 have been fully considered but they are not persuasive.

Applicant argues on pages 19-28 regarding to claims 1, 10, 17, 22, 30, 34 and 41 that Cranfill in view of Vong fails to teach the feature "performing a first action associated with said recording of said media data in one of the said communication mode….; performing a second action **associated with said recording of said media data**…".

Examiner respectively submit that Cranfill teaches the first action to start recording a video in the video conference communication mode (Cranfill, Fig. 12 at Fourth stage). In addition to what Cranfill teaching, Vong is used to teach the concept of dynamic changing of the menu options based on the context of a user selection that is used in performing a second action **associated with said user selection**. Thus, the application using the concept of Vong's menu changing applied to the media recording of Cranfill in order to navigating to different stages of menu for further operation on a recording media.

Conclusion

THIS ACTION IS MADE FINAL. 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 mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TUAN S NGUYEN whose telephone number is (571)270-7612. The examiner can normally be reached on Monday-Friday (9-5).

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Young can be reached on 571-270-3180. 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.

/TUAN S NGUYEN/
Primary Examiner, Art Unit 2145

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	3	("20080165141" "20110261213" "20100309148").pn.	US-PGPUB; USPAT	OR	ON	2016/05/19 16:17
S3	4	Mumick-Kieraj-Singh.in.	US-PGPUB; USPAT	OR	ON	2016/05/19 16:18
S4	1	14/051735.app.	US-PGPUB; USPAT	OR	ON	2016/06/21 11:59
S5	4	Mumick-Kieraj-Singh.in.	US-PGPUB; USPAT	OR	ON	2016/06/21 12:03
S6	1	S5 and (communication near mode with gesture and recording).clm.	US-PGPUB; USPAT	OR	ON	2016/06/21 12:03
S7	4	Mumick-Kieraj-Singh.in.	US-PGPUB; USPAT	OR	ON	2016/06/21 14:23
S8	1	S7 and (defin$4 with region).clm.	US-PGPUB; USPAT	OR	ON	2016/06/21 14:23
S9	1	S7 and (associat$4 near function with region).clm.	US-PGPUB; USPAT	OR	ON	2016/06/21 14:24
S10	23784	(H04N5/44543 G11B27/34 H04N21/4622).cpc.	US-PGPUB; USPAT	OR	ON	2016/06/21 14:55
S11	864	S10 and ((media audio video) with record$4 with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/21 14:56
S12	699	S11 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/21 14:57
S13	0	"L6" and (communication near mode with (tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 12:26
S14	4	"L6" and (communication with (tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 12:27
S15	23784	(H04N5/44543 G11B27/34 H04N21/4622).cpc.	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S16	864	S15 and ((media audio video) with record$4 with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S17	699	S16 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S18	0	S17 and (communication with (tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S19	93	S17 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 12:41
S20	100	S17 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 13:26
S21	0	S20 and (communication near mode)	US-PGPUB; USPAT	OR	ON	2016/06/22 13:27

S22	3	("20080165141" "20110261213" "20100309148").pn.	US-PGPUB; USPAT	OR	ON	2016/06/22 13:31
S23	23784	(H04N5/44543 G11B27/34 H04N21/4622).cpc.	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S24	864	S23 and ((media audio video) with record$4 with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S25	699	S24 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S26	100	S25 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S27	13	S26 and ((switch$4 select$4 gesture slid$4) with (tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:04
S28	0	S25 and ((switch$4 select$4 gesture slid$4) with (tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:16
S29	9	S25 and ((tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:17
S30	77557	((media audio video) with record$4 with application)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:25
S31	568	S30 and ((switch$4 select$4 gesture slid$4) with (tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:26
S32	464	S31 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/22 15:27
S33	267	S32 and ((cancel$4 terminat$4 end$4 trigger$4 activat$4 execut$4) with record$4)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:30
S34	130	S33 and ((chang$4 updat$4) with (option menu selection button))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:31
S35	43	S33 and ((chang$4 updat$4) with (option menu selection button) with (state stage))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:38
S36	4	S35 and ((display$4 present$4) with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:39
S37	4116	((media audio video) with record$4 with (application app) with mobile)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:44
S38	1038	S37 and ((display$4 present$4) with microphone)	US-PGPUB; USPAT	OR	ON	2016/06/22 15:44
S39	519	S38 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/06/22 15:44
S40	0	S39 and ((chang$4 updat$4 present$4) with (option menu selection button) with (operat$4 near record$4))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:46
S41	9	S39 and ((chang$4 updat$4 present$4) with (option menu selection button) with operat$4 with (application app))	US-PGPUB; USPAT	OR	ON	2016/06/22 15:47
S42	3	("20080165141" | "20110261213" | "20100309148").PN.	US-PGPUB; USPAT	OR	ON	2016/07/14 14:12
S43	4178	((media audio video) with record$4 with (application app) with mobile)	US-PGPUB; USPAT	OR	ON	2016/07/14 14:54
S44	1925	S43 and (microphone)	US-PGPUB;	OR	ON	2016/07/14

			USPAT			14:54
S45	26	S44 and ((tap near (start talk end) push near talk (release hold) near (record stop cancel)))	US-PGPUB; USPAT	OR	ON	2016/07/14 15:02
S46	127	((media video audio) with (record$4) near (application software app) with (menu option))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:26
S47	255	((media video audio) with (record$4) near (application software app) with (menu option button icon))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:28
S48	184	S47 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/18 12:28
S49	11	S48 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS RTR TTS))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:30
S50	53390	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:38
S51	573	S50 and ((tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:39
S52	379	S51 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/18 12:39
S53	18	S52 and ((PTT HTR RTS RTR TTS) with (gesture slid$4 switch$4))	US-PGPUB; USPAT	OR	ON	2016/07/18 12:40
S54	1303	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon) with gesture)	US-PGPUB; USPAT	OR	ON	2016/07/18 13:55
S55	7526	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon) with (gesture switch$4 slid$4))	US-PGPUB; USPAT	OR	ON	2016/07/18 13:55
S56	5242	S55 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/18 13:56
S57	41	S56 and ((tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/07/18 13:57
S58	4	S57 and ((PTT HTR RTS RTR TTS) with (gesture slid$4 switch$4))	US-PGPUB; USPAT	OR	ON	2016/07/18 13:58
S59	7526	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon) with (gesture switch$4 slid$4))	US-PGPUB; USPAT	OR	ON	2016/07/18 16:49
S60	5242	S59 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/18 16:49
S61	11	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$).did.	US-PGPUB	OR	ON	2016/07/20 15:01
S62	7533	((media video audio voice) with (record$4 captur$4 camera) with (menu option button icon) with (gesture switch$4 slid$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:02
S63	5242	S62 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/20 15:02

S64	5046	S63 and ((switch$4 gestur$4 slid$4) with (menu button option mode) with (communication camera capture record$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:02
S65	1277	S63 and ((gesture touch$6 tap$4) with (switch$4 slid$4 chang$4) with (menu button option mode) with (communication camera capture record$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:28
S66	412	S65 and ((media video audio voice) with (record$4) with (microphone camera))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:30
S67	79	S65 and ((media video audio voice) with (record$4) with (microphone camera) with (interface GUI))	US-PGPUB; USPAT	OR	ON	2016/07/20 15:35
S68	1	S67 and (communication near mode)	US-PGPUB; USPAT	OR	ON	2016/07/20 15:47
S69	30	S67 and ((select$4 tap$4) with (camera microphone) with record$4)	US-PGPUB; USPAT	OR	ON	2016/07/20 16:01
S70	0	"Apple.as" and ((camera microphone) with mode)	US-PGPUB; USPAT	OR	ON	2016/07/20 16:10
S71	6804	((camera microphone) with (menu selection near mode record$4 option) with touch$7)	US-PGPUB; USPAT	OR	ON	2016/07/20 16:11
S72	4463	S71 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/20 16:13
S73	114	S72 and ((select$4 tap$4 switch$4) with (camera microphone) with mode with (start stop chang$4 save cancel))	US-PGPUB; USPAT	OR	ON	2016/07/20 16:31
S74	7	S73 and ((camera microphone) near (interface UI "user interface" GUI))	US-PGPUB; USPAT	OR	ON	2016/07/20 16:33
S75	1821	(touch$7 with (camera microphone) near (interface UI "user interface" GUI))	US-PGPUB; USPAT	OR	ON	2016/07/20 16:50
S76	954	S75 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/20 16:51
S77	10	S76 and ((select$4 tap$4 switch$4) with (camera microphone) with mode with (start stop chang$4 save cancel hold pause re?record$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 16:51
S78	0	"Apple.as" and (touch$7 with (camera microphone) near (interface UI "user interface" GUI))	US-PGPUB; USPAT	OR	ON	2016/07/20 17:07
S79	0	"Apple.as" and ((camera microphone) near (interface UI "user interface" GUI) with icon)	US-PGPUB; USPAT	OR	ON	2016/07/20 17:08
S80	25	Apple.as. and ((camera microphone) near (interface UI "user interface" GUI) with icon)	US-PGPUB; USPAT	OR	ON	2016/07/20 17:41
S81	13	S80 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/20 17:42
S82	23	S80 and (@ad<"20121015" @rlad<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/20 17:45
S83	0	S82 and ((select$4 tap$4 switch$4) with (camera microphone) with mode with (start stop chang$4 save cancel))	US-PGPUB; USPAT	OR	ON	2016/07/20 17:47

S84	41	Apple.as. and ((select$4 tap$4 switch$4) with (camera microphone) with mode with (start stop chang$4 save cancel hold pause re?record$4))	US-PGPUB; USPAT	OR	ON	2016/07/20 17:48
S85	39	S84 and (@ad<"20121015" @rlad<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/20 17:50
S86	27	S84 and (@ad<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/20 18:45
S87	1	"20110249075".pn.	US-PGPUB; USPAT	OR	ON	2016/07/20 19:30
S88	1	"20110249074".pn.	US-PGPUB; USPAT	OR	ON	2016/07/20 19:30
S89	19	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$).did. or (US-6763226-$ or US-8502856-$).did.	US-PGPUB; USPAT	OR	ON	2016/07/21 10:12
S90	12	(camera near (menu option) with (video photo pano square slo?mo)) and Apple.as.	US-PGPUB; USPAT	OR	ON	2016/07/21 14:51
S91	7	S90 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/21 14:52
S92	7	S90 and (@ad<"20121015" @rlpd<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/21 14:54
S93	40945	((audio voice) with (microphone record$4 memo) with message)	US-PGPUB; USPAT	OR	ON	2016/07/21 16:29
S94	6472	((audio voice) with (record$4 conference IM) with (user near interface UI GUI))	US-PGPUB; USPAT	OR	ON	2016/07/21 16:31
S95	4984	S94 and (@ad<"20121015" @rlpd<"20121015")	US-PGPUB; USPAT	OR	ON	2016/07/21 16:31
S96	19	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$).did. or (US-6763226-$ or US-8502856-$).did.	US-PGPUB; USPAT	OR	ON	2016/07/21 16:40
S97	8	S96 and (user near (preference specif$4))	US-PGPUB; USPAT	OR	ON	2016/07/21 16:40
S98	4	Mumick-Kieraj-Singh.in.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:34
S99	2	("20040225502" "20110075818").pn.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:41

S100	1	S98 and (gesture with (media audio voice video) with (record$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:46
S101	1	S98 and (gesture and (media audio voice video) with (record$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:47
S102	129628	((media audio voice video) with (record$4 captur$4 camera microphone) with (application app))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:19
S103	11771	((media audio voice video) with (record$4 captur$4 camera microphone) with (application app) with (user near interface GUI UI interface))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:20
S104	427	S103 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:21
S105	7	S103 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS) with (gesture touch$7))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:22
S106	5	S105 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/21 22:22
S107	229	S103 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS) and (gesture touch$7))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:35
S108	19	S103 and ((tap near (start talk end) push near talk release near (record stop) PTT HTR RTS) same (gesture touch$7))	US-PGPUB; USPAT	OR	ON	2016/07/21 22:35
S109	7	S108 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/21 22:36
S110	176	((menu function) with dynamically near chang$4 with (mode user near references))	US-PGPUB; USPAT	OR	ON	2016/07/22 00:35
S111	121	S110 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 00:36
S112	2	((menu function) with dynamically near chang$4 with (communication near mode user near references))	US-PGPUB; USPAT	OR	ON	2016/07/22 00:37
S113	0	S112 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 00:37
S114	6	S111 and ((media audio voice video) with (record$4 captur$4 camera microphone) with (application app))	US-PGPUB; USPAT	OR	ON	2016/07/22 00:39
S115	352	((menu function) with dynamically near chang$4 with (communication near mode user near references application))	US-PGPUB; USPAT	OR	ON	2016/07/22 01:49
S116	0	((menu function) with dynamically near chang$4 with (communication near mode user near references application) with "same" near (key icon button))	US-PGPUB; USPAT	OR	ON	2016/07/22 01:58
S117	2	((menu function) with dynamically near chang$4 with (communication near mode user near references application) with "same" with (key icon button))	US-PGPUB; USPAT	OR	ON	2016/07/22 01:59
S118	1	14/051735.app.	US-PGPUB; USPAT	OR	ON	2016/07/22 02:43

S119	1	S118 and (user near preference)	US-PGPUB; USPAT	OR	ON	2016/07/22 02:43
S130	13	(assign$4 with (pre?defined near function) with (key menu))	US-PGPUB; USPAT	OR	ON	2016/07/22 04:18
S131	12	S130 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:18
S132	11	((assign$4 delegat$4) with (pre?defined near function) with (blank empty) near (key menu near space))	US-PGPUB; USPAT	OR	ON	2016/07/22 04:27
S133	10	S132 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:27
S134	11	((assign$4 delegat$4 drag$4) with (pre?defined near function) with (blank empty) near (key menu near space))	US-PGPUB; USPAT	OR	ON	2016/07/22 04:29
S135	10	S134 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:29
S136	11	((assign$4 delegat$4 drag$4) with (pre?defined near (function menu)) with (blank empty) near (key space slot))	US-PGPUB; USPAT	OR	ON	2016/07/22 04:31
S137	75	((assign$4 delegat$4 drag$4) with (function) with (blank empty) near (key space slot))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/07/22 04:32
S138	61	S137 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:33
S139	27	S138 and (universal near remote)	US-PGPUB; USPAT	OR	ON	2016/07/22 04:37
S140	15	((assign$4 delegat$4 drag$4) with (function) with (blank empty) near (key space slot)) same (universal near remote)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/07/22 04:38
S141	13	S140 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2016/07/22 04:39
S142	1	14/051735.app.	US-PGPUB; USPAT	OR	ON	2016/07/22 06:14
S143	1	S142 and (non?transitory with medium)	US-PGPUB; USPAT	OR	ON	2016/07/22 06:14
S144	24	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$ or US-20040225502-$ or US-20120036434-$ or US-20070237515-$ or US-20040036632-	US-PGPUB; USPAT	OR	ON	2016/07/22 07:23

		$).did. or (US-6763226-$ or US-8502856-$ or US-6486914-$).did.				
S145	25	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$ or US-20040225502-$ or US-20120036434-$ or US-20070237515-$ or US-20040036632-$ or US-20070296552-$).did. or (US-6763226-$ or US-8502856-$ or US-6486914-$).did.	US-PGPUB; USPAT	OR	ON	2016/07/22 07:25
S148	26	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$ or US-20040225502-$ or US-20120036434-$ or US-20070237515-$ or US-20040036632-$ or US-20070296552-$).did. or (US-6763226-$ or US-8502856-$ or US-6486914-$ or US-8995689-$).did.	US-PGPUB; USPAT	OR	ON	2017/01/23 13:43
S149	0	(chang$4 with dynamic$4 with (state status) near (button icon menu) with communication near mode)	US-PGPUB; USPAT	OR	ON	2017/01/23 14:15
S150	0	(chang$4 with dynamic$4 with (state status) near (button icon menu) same communication near mode)	US-PGPUB; USPAT	OR	ON	2017/01/23 14:15
S151	0	(chang$4 with dynamic$4 with (state status) near (button icon menu) and communication near mode)	US-PGPUB; USPAT	OR	ON	2017/01/23 14:15
S152	79	(chang$4 with dynamic$4 with (state status) near (button icon menu))	US-PGPUB; USPAT	OR	ON	2017/01/23 14:16
S153	5	(chang$4 with dynamic$4 with (state status) near (button icon menu) with mode)	US-PGPUB; USPAT	OR	ON	2017/01/23 14:16
S154	5	S153 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/23 14:16
S155	24829	(H04N5/44543 G11B27/34 H04N21/4622).cpc.	US-PGPUB; USPAT	OR	ON	2017/01/23 14:17
S156	0	S155 and (chang$4 with dynamic$4 with (state status) near (button icon menu) with mode)	US-PGPUB; USPAT	OR	ON	2017/01/23 14:17
S157	28	S155 and (chang$4 with dynamic$4 with (state status) near (button icon menu))	US-PGPUB; USPAT	OR	ON	2017/01/23 14:17

S158	28	S157 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/23 14:18
S159	1125	(chang$4 with (state status user near interface) near (button icon menu submenu) with (select$4 option click))	US-PGPUB; USPAT	OR	ON	2017/01/23 15:38
S160	876	S159 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/23 15:40
S161	37	(chang$4 near dynamic$4 with (state status user near interface) near (button icon menu submenu) with (select$4 option click))	US-PGPUB; USPAT	OR	ON	2017/01/23 15:40
S162	35	S161 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/23 15:40
S163	0	(chang$4 near dynamic$4 with (state user near interface) near (button icon menu submenu) with (select$4 option click) near (parent root))	US-PGPUB; USPAT	OR	ON	2017/01/23 15:49
S164	109	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with (select$4 option click$4))	US-PGPUB; USPAT	OR	ON	2017/01/23 15:59
S165	86	S164 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/23 15:59
S167	0	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with (select$4 option click$4) near mode near record$4)	US-PGPUB; USPAT	OR	ON	2017/01/24 09:32
S168	0	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with (select$4 option click$4) with mode near record$4)	US-PGPUB; USPAT	OR	ON	2017/01/24 09:33
S169	0	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with (select$4 option click$4) near record$4)	US-PGPUB; USPAT	OR	ON	2017/01/24 09:33
S170	2	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with (select$4 option click$4) with record$4)	US-PGPUB; USPAT	OR	ON	2017/01/24 09:35
S171	1	S170 and @ad<"20121015"	US-PGPUB; USPAT	OR	ON	2017/01/24 09:36
S172	1	(chang$4 near dynamic$4 with (state user near interface) with (button icon menu submenu) with record$4 near (application app))	US-PGPUB; USPAT	OR	ON	2017/01/24 09:38
S173	1	(chang$4 near dynamic$4 with (state user near interface context) with (button icon menu submenu) with record$4 near (application app))	US-PGPUB; USPAT	OR	ON	2017/01/24 09:44
S174	1	(chang$4 near dynamic$4 with (state user near interface context) with (button icon menu submenu) with record$4 near (application app))	US-PGPUB; USPAT	OR	ON	2017/01/24 09:45
S175	1	(chang$4 near dynamic$4 with (state user near interface context) with record$4 near (application app))	US-PGPUB; USPAT	OR	ON	2017/01/24 09:46
S176	91	(chang$4 near dynamic$4 with (state user near interface context) with	US-PGPUB; USPAT	OR	ON	2017/01/24 10:06

		record$4)				
S177	8	(chang$4 near dynamic$4 with (state user near interface context) with record$4 with (application app))	US-PGPUB; USPAT	OR	ON	2017/01/24 10:06
S178	5	S177 and @ad< "20121015"	US-PGPUB; USPAT	OR	ON	2017/01/24 10:10
S179	29	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$ or US-20040225502-$ or US-20120036434-$ or US-20070237515-$ or US-20040036632-$ or US-20070296552-$ or US-20120323965-$ or US-20120124515-$ or US-20110252318-$).did. or (US-6763226-$ or US-8502856-$ or US-6486914-$ or US-8995689-$).did.	US-PGPUB; USPAT	OR	ON	2017/07/20 09:16
S181	25548	(H04N5/44543 G11B27/34 H04N21/4622).cpc.	US-PGPUB; USPAT	OR	ON	2017/07/20 11:12
S182	1173	S181 and (chang$4 with (state user near interface) with (button icon menu submenu))	US-PGPUB; USPAT	OR	ON	2017/07/20 11:13
S183	1	"20040216059".pn.	US-PGPUB; USPAT	OR	ON	2017/07/20 15:31
S184	30	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$ or US-20040225502-$ or US-20120036434-$ or US-20070237515-$ or US-20040036632-$ or US-20070296552-$ or US-20120323965-$ or US-20120124515-$ or US-20110252318-$ or US-20040216059-$).did. or (US-6763226-$ or US-8502856-$ or US-6486914-$ or US-8995689-$).did.	US-PGPUB; USPAT	OR	ON	2017/07/20 15:37
S185	0	S184 and (chang$4 with (state user near interface) with (button icon menu submenu) with record$4 near (application app))	US-PGPUB; USPAT	OR	ON	2017/07/20 15:37
S186	10	S184 and (chang$4 with (state user near interface) with (button icon menu submenu))	US-PGPUB; USPAT	OR	ON	2017/07/20 15:38
S187	10	S186 and (touch$4 touchscreen touch	US-PGPUB;	OR	ON	2017/07/20

		near screen touch?screen)	USPAT			15:53
S189	1	"20130052982".pn.	US-PGPUB; USPAT	OR	ON	2017/07/21 14:54
S190	30	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$ or US-20040225502-$ or US-20120036434-$ or US-20070237515-$ or US-20040036632-$ or US-20070296552-$ or US-20120323965-$ or US-20120124515-$ or US-20110252318-$ or US-20040216059-$).did. or (US-6763226-$ or US-8502856-$ or US-6486914-$ or US-8995689-$).did.	US-PGPUB; USPAT	OR	ON	2018/04/17 13:20
S191	30	(US-20100309148-$ or US-20080165141-$ or US-20120035925-$ or US-20100135473-$ or US-20160105388-$ or US-20150095804-$ or US-20070266077-$ or US-20060040695-$ or US-20050164727-$ or US-20130253936-$ or US-20130052982-$ or US-20110234746-$ or US-20130321340-$ or US-20140354838-$ or US-20130265378-$ or US-20140354759-$ or US-20110249074-$ or US-20040225502-$ or US-20120036434-$ or US-20070237515-$ or US-20040036632-$ or US-20070296552-$ or US-20120323965-$ or US-20120124515-$ or US-20110252318-$ or US-20040216059-$).did. or (US-6763226-$ or US-8502856-$ or US-6486914-$ or US-8995689-$).did.	US-PGPUB; USPAT	OR	ON	2018/04/17 13:44

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S120	1045	(gesture and (media audio voice video) with (record$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:47
S121	295	(gesture with (media audio voice video) with (record$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:47
S122	3	S121 and (communication near mode).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:48
S123	3	S121 and ((tap near (start talk end) push near talk release near (record stop)))	US-PGPUB; USPAT	OR	ON	2016/07/21 21:50
S124	1	S121 and ((tap near (start talk end) push	US-	OR	ON	2016/07/21

		near talk release near (record stop))).clm.	PGPUB; USPAT			21:50
S125	64	(gesture and (media audio voice video) with (record$4) with (user near interface UI GUI)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:53
S126	1	S125 and ((tap near (start talk end) push near talk release near (record stop))).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:53
S127	1	S125 and (communication near mode).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:54
S128	64	S125 and ((media audio voice video) with (record$4 captur$4 camera microphone) with (application app user near interface UI GUI)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:55
S129	17	S125 and ((media audio voice video) with (record$4 captur$4 camera microphone) with (application app)).clm.	US-PGPUB; USPAT	OR	ON	2016/07/21 21:56
S146	1	"Term Removed"	US-PGPUB	OR	ON	2016/07/22 07:23
S147	1	"Term Removed"	US-PGPUB	OR	ON	2016/07/22 07:25
S166	1	"Term Removed"	US-PGPUB	OR	ON	2017/01/23 13:43
S180	1	"Term Removed"	US-PGPUB	OR	ON	2017/07/20 09:16
S188	1	"Term Removed"	US-PGPUB	OR	ON	2017/07/20 15:37
S192	1	"Term Removed"	US-PGPUB	OR	ON	2018/04/17 13:20
S193	1	"Term Removed"	US-PGPUB	OR	ON	2018/04/17 13:44

4/ 17/ 2018 4:33:52 PM
C:\ Users\ tnguyen14\ Documents\ EAST\ Workspaces\ search_14051735.wsp

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
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.

PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)

Docket Number (Optional): KIRU-14NP-US

Application Number: 14/051,735

Filed: 10/11/2013

For: Multi-gesture Media Recording System

Art Unit: 2145

Examiner: Nguyen, Tuan S

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	$
☑ Three months (37 CFR 1.17(a)(3))	$1,400	$700	$350	$ 700
☐ 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 500314.

☐ 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 33802.

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

/a tankha/ — Signature

10/20/2018 — Date

Ashok Tankha — Typed or printed name

856-266-5145 — 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 _____ 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 Acknowledgement Receipt

EFS ID:	34081837
Application Number:	14051735
International Application Number:	
Confirmation Number:	3926
Title of Invention:	Multi-gesture Media Recording System
First Named Inventor/Applicant Name:	Kieraj Singh Mumick
Correspondence Address:	Ashok Tankha - 36 Greenleigh Drive - Sewell NJ 08080 US 856-266-5145 ash@ipprocure.com
Filer:	Ashok Tankha
Filer Authorized By:	
Attorney Docket Number:	KIRU-14NP-US
Receipt Date:	22-OCT-2018
Filing Date:	11-OCT-2013
Time Stamp:	23:02:58
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$1650

RAM confirmation Number	102318INTEFSW23081000
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	Extension of Time	KIRU_14NP_US_aia0022.pdf	848258 dcb3d6533a5292b9f02b7eaac7aac3892a08af96	no	2
Warnings:					
Information:					
2	Request for Continued Examination (RCE)	KIRU_14NP_US_RCE.pdf	473075 e00c41b3b61678f09e872720a5231a084eda7bf5	no	3
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
3	Transmittal Letter	KIRU_14NP_US_Transmittal_Letter.pdf	295339 9c5be0b937a793677f26794c1134001939dba6ed	no	2
Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	32392 9bf31640ba94ea4144672d42958b429c25465abe	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1649064		

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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re. application of:
Kieraj Singh Mumick
Application No.: 14/051,735
Filed: 10/11/2013
Applicant: Kirusa Inc.
Title: Multi-gesture Media Recording System

Examiner: Nguyen, Tuan S
Art Unit: 2145
Atty. Docket No: KIRU-14NP-US

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

TRANSMITTAL LETTER

1. **Attachments:** We are transmitting herewith the attached papers for the above identified patent application:

- **Response to office action (26 pages);**
- **Request for continued examination (RCE), Form PTO/SB/30; and**
- **Petition for extension of time under 37 CFR 1.136(a), Form PTO/AIA/22.**

2. **Fees:**

a. **$950** fee for RCE, second request; and
b. **$700** for 3 months extension of time (Small entity fee).

3. **General Authorization to charge or credit fees:** The Director is hereby authorized to charge any underpayment of fee or any other fee that may be required to deposit account **# 600314**.

4. **Certificate Of Transmission Under 37 § CFR 1.8**: The undersigned hereby certifies that this Transmittal Letter and the papers as described in paragraph 1 hereinabove, are being electronically transmitted to the United States Patent and Trademark Office **via the USPTO electronic filing system** on this **20th** day of **October 2018.**

Respectfully submitted,

Date: October 20, 2018

/a tankha/
Ashok Tankha
Attorney For Applicant
Reg. No. 33,802

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Petitioner Exhibit 1004, Page 380 of 653

Fax: 856-374-0246
Email: ash@ipprocure.com

Petitioner Exhibit 1004, Page 381 of 653

Electronic Patent Application Fee Transmittal

Application Number:	14051735
Filing Date:	11-Oct-2013
Title of Invention:	Multi-gesture Media Recording System
First Named Inventor/Applicant Name:	Kieraj Singh Mumick
Filer:	Ashok Tankha
Attorney Docket Number:	KIRU-14NP-US

Filed as Small 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 - 3 months with $0 paid	2253	1	700	700
Miscellaneous:				
RCE- 2ND AND SUBSEQUENT REQUEST	2820	1	950	950
		Total in USD ($)		**1650**

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	14/051,735	Filing Date	2013-10-11	Docket Number (if applicable)	KIRU-14NP-US	Art Unit	2145
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This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
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☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

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☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____
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FEES

☒ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

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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.

Amendment to the claims

Claim 1 (currently amended): A computer implemented method for performing actions associated with recording media data in one or more ~~of a plurality of communication~~ recording modes based on one or more gestures on a graphical user interface of a mobile electronic device, comprising:

providing a gesture based media recording application, said gesture based media recording application, when executed by a processor, managing said graphical user interface of said mobile electronic device and actions associated with said recording of said media data in said one or more of said ~~communication~~ recording modes on said mobile electronic device;

defining ~~a plurality of~~ one or more interface regions on said graphical user interface of said mobile electronic device by said gesture based media recording application, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said gesture based media recording application;

detecting a first gesture from among multiple gestures on a first ~~defined interface region~~ of said defined interface regions by said gesture based media recording application;

performing a first action associated with said recording of said media data in one of said ~~communication~~ recording modes by said gesture based media recording application, on said detection of said first gesture on said ~~first~~ one of said defined interface ~~region~~ regions;

dynamically changing, by said gesture based media recording application, said predefined functions associated with said first defined interface region and one or more of other of said defined interface regions ~~adjacent to said first defined~~

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~~interface region~~ based on said detected first gesture on said first defined interface region;

detecting a second gesture from among said multiple gestures on one of: said first defined interface region and one or more of said other of defined interface regions ~~adjacent to said first defined interface region~~ by said gesture based media recording application; and

performing a second action associated with said recording of said media data, in response to said detection of said second gesture ~~on said one of said defined interface regions~~, by said gesture based media recording application.

Claim 2 (currently amended): The computer implemented method of claim 1, wherein ~~said first action and~~ said second action [[are]] is at least one of:

~~triggering said recording of said media data;~~

switching from said one of said ~~communication~~ recording modes to another one of said ~~communication~~ recording modes for said recording of said media data;

canceling said recording of said media data; and

generating and displaying a plurality of options for performing an operation associated with said recorded media data.

Claim 3 (previously presented): The computer implemented method of claim 1, further comprising streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data by said gesture based media recording application.

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Claim 4 (currently amended): The computer implemented method of claim 1, wherein said ~~communication~~ recording modes comprise a push to talk ~~communication~~ recording mode, a tap to start ~~communication~~ recording mode, a release to record ~~communication~~ recording mode, a release to stop ~~communication~~ recording mode, and a tap to end ~~communication~~ recording mode.

Claim 5 (previously presented): The computer implemented method of claim 1, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof.

Claim 6 (previously presented): The computer implemented method of claim 1, wherein said gestures comprise a drag and drop gesture, a click gesture, a double click gesture, a click and hold gesture, a tap gesture, a tap and hold gesture, a hold and swipe gesture, a swipe and hold gesture, a touch gesture, a slide gesture, a slide and release gesture, a glide gesture, a scrolling gesture, and any combination thereof.

Claim 7-8 (canceled).

Claim 9 (previously presented): The computer implemented method of claim 1, further comprising configuring said predefined functions for said one or more of said defined interface regions based on user preferences by said gesture based media recording application.

Claim 10-16 (canceled).

Claim 17 (currently amended): A computer implemented method for recording audio data in one or more ~~of a plurality of communication~~ recording modes based on one or more gestures on a graphical user interface of a mobile electronic device, comprising:

providing a gesture based audio recording application, said gesture based audio recording application, when executed by a processor, managing said graphical

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user interface of said mobile electronic device and trigger said recording of said audio data in said one or more of said ~~communication~~ recording modes on said mobile electronic device;

defining ~~a plurality~~ one or more of interface regions on said graphical user interface of said mobile electronic device by said gesture based audio recording application, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said gesture based audio recording application;

detecting a first gesture from among multiple gestures on a first defined interface region of said defined interface regions by said gesture based audio recording application;

triggering recording of said audio data in one of said ~~communication~~ recording modes by said gesture based audio recording application, on said detection of said first gesture on said first defined interface region;

dynamically changing, by said gesture based audio recording application, said predefined functions associated with said first defined interface region and one or more of other of said defined interface regions ~~adjacent to said first defined interface region~~ based on said detected first gesture on said first defined interface region;

detecting a second gesture from among said multiple gestures on one of, said first defined interface region and said one or more of other of said defined interface regions by said gesture based audio recording application; and

performing an action associated with said recording of said audio data, in response to said detection of said second gesture ~~on said one of said defined interface regions~~, by said gesture based audio recording application.

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Claim 18 (currently amended): The computer implemented method of claim 17, wherein said action is at least one of:

switching from said one of said ~~communication~~ recording modes to another one of said ~~communication~~ recording modes for recording said audio data in said another one of said ~~communication~~ recording modes;

canceling said recording of said audio data in one of said ~~communication~~ recording modes; and

generating and displaying a plurality of options for performing an operation associated with said recorded audio data.

Claim 19 (currently amended): The computer implemented method of claim 17, wherein said ~~communication~~ recording modes comprise a push to talk recording mode, a release to record recording mode, a release to stop recording mode, a tap to end recording mode, a press and hold ~~communication~~ recording mode, and a tap to start ~~communication~~ recording mode.

Claim 20-21 (canceled).

Claim 22 (currently amended): A computer implemented system for performing actions associated with recording media data in one or more of ~~a plurality of communication~~ recording modes based on one or more gestures on a graphical user interface of a mobile electronic device, said computer implemented system comprising:

at least one processor;

a non-transitory computer readable storage medium communicatively coupled to said at least one processor, said non-transitory computer readable storage medium configured to store said gesture based media recording application;

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a gesture based media recording application that when executed by a processor, managing said graphical user interface of said mobile electronic device and actions associated with said recording of said media data in said one or more of said ~~communication~~ recording modes on said mobile electronic device, said gesture based media recording application comprising:

an interface definition module configured to define ~~a plurality of~~ one or more interface regions on said graphical user interface of said mobile electronic device, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said interface definition module;

a detection module configured to detect a first gesture from among multiple gestures on a first defined interface region of said defined interface regions;

an action management module configured to perform a first action associated with said recording of said media data in one of said ~~communication~~ recording modes, on said detection of said first gesture on said first defined interface region;

said interface definition module configured to dynamically change said predefined functions associated with said first defined interface region and one or more of other of said defined interface regions ~~adjacent to said first defined interface region~~ based on said detected first gesture on said first defined interface region;

said detection module further configured to detect a second gesture from among said multiple gestures on one of: said first defined interface region

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and said one or more of other of said defined interface regions ~~adjacent to said first defined interface region~~; and

said action management module configured to perform a second action associated with said recording of said media data, in response to said detection of said second gesture ~~on said one of said defined interface regions~~.

Claim 23 (currently amended): The computer implemented system of claim 22, wherein ~~said first action and~~ said second action [[are]] is at least one of:

~~triggering said recording of said media data;~~

switching from said one of said ~~communication~~ recording modes to another one of said ~~communication~~ recording modes for said recording of said media data;

canceling said recording of said media data; and

generating and displaying a plurality of options for performing an operation associated with said recorded media data.

Claim 24 (previously presented): The computer implemented system of claim 22, wherein said gesture based media recording application further comprises a media recording module configured to stream said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data.

Claim 25 (currently amended): The computer implemented system of claim 22, wherein said ~~communication~~ recording modes comprise a push to talk ~~communication~~ recording mode, a tap to start ~~communication~~ recording mode, a release to record ~~communication~~

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recording mode, a release to stop ~~communication~~ recording mode, and a tap to end ~~communication~~ recording mode.

Claim 26 (previously presented): The computer implemented system of claim 22, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof.

Claim 27-28 (canceled).

Claim 29 (previously presented): The computer implemented system of claim 22, wherein said interface definition module is further configured to configure predefined functions for one or more of said defined interface regions based on user preferences.

Claim 30-33 (canceled).

Claim 34 (currently amended): A computer program product for performing actions associated with recording media data in one or more of recording modes based on one or more gestures on a graphical user interface of a mobile electronic device, said computer program product comprising a non-transitory computer readable storage medium, said non-transitory computer readable storage medium storing computer program codes that comprise instructions executable by at least one processor, said computer program codes comprising:

a first computer program code for defining ~~a plurality of~~ one or more interface regions on a graphical user interface of a mobile electronic device;

a tenth computer program code for associating each of said defined interface regions with a predefined function from among a plurality of predefined functions;

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a second computer program code for detecting a first gesture from among multiple gestures on a first defined interface region of said defined interface regions;

a third computer program code for performing a first action associated with recording of media data in one of a plurality of ~~communication~~ recording modes, on said detection of said first gesture on said first defined interface region, wherein said media data comprises one of audio data, video data, audiovisual data, image data, multimedia data, and any combination thereof;

a fourteenth computer program for dynamically changing said predefined functions associated with said first defined interface region and one or more of other of said defined interface regions ~~adjacent to said first defined interface region~~ based on said detected first gesture on said first defined interface region;

a fourth computer program code for detecting a second gesture from among said multiple gestures on one of: said first defined interface region and said one or more of other of said defined interface regions ~~adjacent to said first defined interface region~~; and

a fifth computer program code for performing a second action associated with said recording of said media data, in response to said detection of said second gesture ~~on said one of said defined interface regions~~.

Claim 35 (currently amended): The computer program product of claim 34, wherein ~~said third computer program code and~~ said fifth computer program code comprise at least one of:

~~a sixth computer program code for triggering said recording of said media data;~~

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a seventh computer program code for switching from said one of said ~~communication~~ recording modes to another one of said ~~communication~~ recording modes for said recording of said media data;

an eighth computer program code for canceling said recording of said media data; and

a ninth computer program code for generating and displaying a plurality of options for performing an operation associated with said recorded media data.

Claim 36-37 (canceled).

Claim 38 (previously presented): The computer program product of claim 34, wherein said computer program codes further comprise a twelfth computer program code for configuring predefined functions for one or more of said defined interface regions based on user preferences.

Claim 39 (previously presented): The computer program product of claim 34, wherein said computer program codes further comprise a thirteenth computer program code for streaming said media data to a server via a network at one of: (a) continuously while recording said media data, (b) at predefined time intervals after initiation of said recording of said media data, and (c) after completion of said recording of said media data.

Claim 40 (currently amended): The computer program product of claim 34, wherein said ~~communication~~ recording modes comprise a push to talk ~~communication~~ recording mode, a tap to start ~~communication~~ recording mode, a release to record ~~communication~~ recording mode, a release to stop ~~communication~~ recording mode, and a tap to end ~~communication~~ recording mode.

Claim 41-46 (canceled).

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Claim 47 (new): A computer implemented system for performing actions associated with recording audio data in one or more of recording modes based on one or more gestures on a graphical user interface of a mobile electronic device, said computer implemented system comprising:

at least one processor;

a non-transitory computer readable storage medium communicatively coupled to said at least one processor, said non-transitory computer readable storage medium configured to store said gesture based audio recording application;

a gesture based audio recording application that when executed by a processor, managing said graphical user interface of said mobile electronic device and actions associated with said recording of said audio data in said one or more of said recording modes on said mobile electronic device, said gesture based audio recording application comprising:

an interface definition module configured to define one or more interface regions on said graphical user interface of said mobile electronic device, wherein each of said defined interface regions is associated with a predefined function from among a plurality of predefined functions on said graphical user interface by said interface definition module;

a detection module configured to detect a first gesture from among multiple gestures on a first defined interface region of said defined interface regions;

an action management module configured to perform a first action associated with said recording of said audio data in one of said recording modes, on said detection of said first gesture on said first defined interface region;

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said interface definition module configured to dynamically change said predefined functions associated with said first interface region and one or more of other of said defined interface regions based on said detected first gesture on said first defined interface region;

said detection module further configured to detect a second gesture from among said multiple gestures on one of: said first defined interface region and said one or more of other of said defined interface regions; and

said action management module configured to perform a second action associated with said recording of said audio data, in response to said detection of said second gesture.

Claim 48 (new): The computer implemented system of claim 47, wherein said second action is at least one of:

switching from said one of said recording modes to another one of said recording modes for said recording of said audio data;

canceling said recording of said audio data; and

generating and displaying a plurality of options for performing an operation associated with said recorded audio data.

Claim 49 (new): The computer implemented system of claim 47, wherein said gesture based audio recording application further comprises a audio recording module configured to stream said audio data to a server via a network at one of: (a) continuously while recording said audio data, (b) at predefined time intervals after initiation of said recording of said audio data, and (c) after completion of said recording of said audio data.

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Claim 50 (new): The computer implemented system of claim 47, wherein said recording modes comprise a push to talk recording mode, a tap to start recording mode, a release to record recording mode, a release to stop recording mode, and a tap to end recording mode.

Claim 51 (new): The computer implemented system of claim 47, wherein said audio data comprises one of audio data, video data, audiovisual data, image data, multiaudio data, and any combination thereof.

Claim 52 (new): The computer implemented system of claim 47, wherein said interface definition module is further configured to configure predefined functions for one or more of said defined interface regions based on user preferences.

Claim 53 (new): A computer program product for performing actions associated with recording audio data in one or more of recording modes based on one or more gestures on a graphical user interface of a mobile electronic device, said computer program product comprising a non-transitory computer readable storage medium, said non-transitory computer readable storage medium storing computer program codes that comprise instructions executable by at least one processor, said computer program codes comprising:

a first computer program code for defining one or more interface regions on a graphical user interface of a mobile electronic device;

a second computer program code for associating each of said defined interface regions with a predefined function from among a plurality of predefined functions;

a third computer program code for detecting a first gesture from among multiple gestures on a first defined interface region of said defined interface regions;

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a fourth computer program code for performing a first action associated with recording of audio data in one of a plurality of recording modes, on said detection of said first gesture on said first defined interface region;

a fifth computer program for dynamically changing said predefined functions associated with said first interface region and one or more of other of said defined interface regions based on said detected first gesture on said first defined interface region;

a sixth computer program code for detecting a second gesture from among said multiple gestures on one of: said first defined interface region and said one or more of other of said defined interface regions; and

a seventh computer program code for performing a second action associated with said recording of said audio data, in response to said detection of said second gesture.

Claim 54 (new): The computer program product of claim 53, wherein said seventh computer program code comprises at least one of:

a eighth computer program code for switching from said one of said recording modes to another one of said recording modes for said recording of said audio data;

an ninth computer program code for canceling said recording of said audio data; and

a tenth computer program code for generating and displaying a plurality of options for performing an operation associated with said recorded audio data.

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