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APPLICATION NUMBER	PATENT NUMBER	GROUP ART UNIT	FILE WRAPPER LOCATION
11/171,850	8010997	2431	9200

OC000000111258180

Correspondence Address/Fee Address Change

The following fields have been set to Customer Number 127265 on 09/18/2019

- **Correspondence Address**
- **Maintenance Fee Address**

The address of record for Customer Number 127265 is:

127265
Microsoft Technology Licensing, LLC
One Microsoft Way
Redmond, WA 98052

IPR2024-00809
Petitioner's Exhibit 1013
Page 000001

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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/171,850	08/30/2011	8010997	312878.01	5452

27488 7590 08/10/2011

MERCHANT & GOULD (MICROSOFT)
P.O. BOX 2903
MINNEAPOLIS, MN 55402-0903

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment is 1213 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

David P. Limont, Seattle, WA;
John Allen Atwood, Duvall, WA;
Massimiliano Ciccotosto, Kirkland, WA;
Omar Aftab, Redmond, WA;
Patrick Tousignant, Bellevue, WA;
Selvaraj Nalliah, Redmond, WA;
Zhidong Yang, Bellevue, WA;

IPR2024-00809
Petitioner's Exhibit 1013
Page 000002

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

27488 7590 05/12/2011
MERCHANT & GOULD (MICROSOFT)
P.O. BOX 2903
MINNEAPOLIS, MN 55402-0903

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Dianna L. Smith	(Depositor's name)
/ Dianna L. Smith /	(Signature)
July 20, 2011	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/171,850	06/30/2005	David P. Limont	312878.01	5452

TITLE OF INVENTION: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$300	$0	$1810	08/12/2011

EXAMINER	ART UNIT	CLASS-SUBCLASS
SU, SARAH	2431	726-003000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
1 Merchant & Gould, P.C.
2
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE: Microsoft Corporation

(B) RESIDENCE: (CITY and STATE OR COUNTRY): Redmond, Washington

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:
☒ Issue Fee
☒ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
☐ A check is enclosed.
☒ Payment by credit card. Form PTO-2038 is attached.
☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 13-2725 (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)
☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date July 20, 2011

Typed or printed name Andrew T. Pouzeshi Registration No. 67,672

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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.

IPR2024-00809
Petitioner's Exhibit 1013
Page 000003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Limont et al.	Examiner:	Sarah Su
Serial No.:	11/171,850	Group Art Unit:	2431
Filed:	06/30/2005	Docket No.:	14917.1810US01 / 312878.01
Title:	ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES		

FILED VIA EFS WEB

COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

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

Dear Sir:

Attorney for Applicant acknowledges the allowance of claims 1-4, 6-9 and 12-20 by the Examiner with appreciation. Attorney for Applicant agrees with the Examiner's Statement of Reasons for Allowance to the extent that the claims of the present invention are patentable over the references in the record. Attorney for Applicant expressly traverses the Examiner's Statement of Reasons for Allowance to the extent that any comment is intended or has the effect of limiting a claim scope, explicitly or implicitly, by not reciting verbatim the respective claim language, or is intended or has the effect of limiting a claim scope by stating or implying that all the reasons for patentability are in any way fully enumerated.

Attorney for Applicant further points out that the reasons for allowance set forth by the Examiner are not the only reasons that claims 1-4, 6-9 and 12-20 are allowable. Further reasons for allowance of the claims beyond those enumerated by the Examiner are described and set forth in the specification. In addition, structures that perform substantially the same function in

substantially the same way to achieve the same results are included within the scope of the claims.

Finally, as the Examiner's reasons for allowance are not exhaustive, such reasons for allowance do not establish an estoppel against Attorney for Applicant seeking and obtaining allowance of additional, broader claims in a continuation application, which Attorney for Applicant reserves the right to file.

It is believed that no further fees are due with this correspondence. However, the Commissioner is hereby authorized to charge any deficiencies or credit any overpayment with respect to this patent application to deposit account number 13-2725.

Respectfully submitted,

Dated: July 20, 2011

Andrew T. Pouzeshi, Reg. No. 67,672

Merchant & Gould P.C.
PO Box 2903
Minneapolis, MN 55402-0903
303.357.1639

27488
PATENT TRADEMARK OFFICE

IPR2024-00809
Petitioner's Exhibit 1013
Page 000005

Electronic Patent Application Fee Transmittal

Application Number:	11171850
Filing Date:	30-Jun-2005
Title of Invention:	ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David P. Limont
Filer:	Andrew T. Pouzeshi/Dianna Smith
Attorney Docket Number:	312878.01

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Utility Appl issue fee	1501	1	1510	1510
Publ. Fee- early, voluntary, or normal	1504	1	300	300

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**1810**

Electronic Acknowledgement Receipt	
EFS ID:	10560486
Application Number:	11171850
International Application Number:	
Confirmation Number:	5452
Title of Invention:	ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David P. Limont
Customer Number:	27488
Filer:	Andrew T. Pouzeshi/Dianna Smith
Filer Authorized By:	Andrew T. Pouzeshi
Attorney Docket Number:	312878.01
Receipt Date:	20-JUL-2011
Filing Date:	30-JUN-2005
Time Stamp:	14:55:01
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$1810
RAM confirmation Number	1210
Deposit Account	132725
Authorized User	SCULL,TIMOTHY B.
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	14917_1810US01_PartBFeeTrans.PDF	114647 c9d615ed0b28db0feb6ee7db66c80e901d740e95	no	1
Warnings:					
Information:					
2	Miscellaneous Incoming Letter	14917_1810US01_CommStmntReasAllow.PDF	66486 ea09e4f066ba7dd972ca00a94db056e1acf01f2b	no	2
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	31965 727959bc133c75329201ed48c7beee6d0dae0f98	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	213098		

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

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

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

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

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www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

27488 7590 05/12/2011

MERCHANT & GOULD (MICROSOFT)
P.O. BOX 2903
MINNEAPOLIS, MN 55402-0903

EXAMINER
SU, SARAH

ART UNIT	PAPER NUMBER
2431	

DATE MAILED: 05/12/2011

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/171,850	06/30/2005	David P. Limont	312878.01	5452

TITLE OF INVENTION: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$300	$0	$1810	08/12/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

IPR2024-00809
Petitioner's Exhibit 1013
Page 000010

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

27488 7590 05/12/2011
MERCHANT & GOULD (MICROSOFT)
P.O. BOX 2903
MINNEAPOLIS, MN 55402-0903

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/171,850	06/30/2005	David P. Limont	312878.01	5452

TITLE OF INVENTION: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$300	$0	$1810	08/12/2011

EXAMINER	ART UNIT	CLASS-SUBCLASS
SU, SARAH	2431	726-003000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. The following fee(s) are submitted:

❑ Issue Fee

❑ Publication Fee (No small entity discount permitted)

❑ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**

❑ A check is enclosed.

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

❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

❑ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

❑ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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IPR2024-00809
Petitioner's Exhibit 1013
Page 000011

UNITED STATES PATENT AND TRADEMARK OFFICE

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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/171,850	06/30/2005	David P. Limont	312878.01	5452

27488 7590 05/12/2011

MERCHANT & GOULD (MICROSOFT)
P.O. BOX 2903
MINNEAPOLIS, MN 55402-0903

EXAMINER	
SU, SARAH	

ART UNIT	PAPER NUMBER
2431	

DATE MAILED: 05/12/2011

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 906 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 906 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

PTOL-85 (Rev. 02/11)

IPR2024-00809
Petitioner's Exhibit 1013
Page 000012

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.

Notice of Allowability	Application No.	Applicant(s)	
	11/171,850	LIMONT ET AL.	
	Examiner	Art Unit	
	Sarah Su	2431	

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *19 April 2011*.

2. ☒ The allowed claim(s) is/are *1-4,6-9 and 12-20*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4/19/11
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/Sarah Su/ Examiner, Art Unit 2431	/NATHAN FLYNN/ Supervisory Patent Examiner, Art Unit 2468

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NOTICE OF ALLOWANCE

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 19 April 2011 has been entered.

2. Claims 1-4, 6-9, and 12-20 are presented for examination.

Information Disclosure Statement

3. The information disclosure statement (IDS) submitted on 19 April 2011 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Allowable Subject Matter

4. Claims 1-4, 6-9, and 12-20 are allowed.

5. The following is an examiner's statement of reasons for allowance:

Claim 1 discloses of "receiving at the computer system a sync request from the mobile device, the sync request requesting that the mobile device be permitted to access the data maintained by the computer system in order to sync data between the

mobile device and the computer system, the sync request indicating a current mobile device configuration of the mobile device and including a configuration version corresponding to the current mobile device configuration, the data maintained by the computer system comprising electronic mail data" and "in response to receiving the indication that the mobile device is configured in accordance with the sent device configuration settings, permitting the mobile device to access the maintained data using the sync request in order to sync data between the mobile device and the computer system." These features, in combination with the other limitations in the claims, are not anticipated by, nor made obvious over, the prior art of record.

Claims 9 and 20 disclose of "receiving at the computer system a data command from a mobile device, the data command including a policy version and a sync request to access data maintained at the computer system in order to sync data between the mobile device and the computer system, the policy version representing current policy settings at the mobile device, the data maintained at the computer system comprising electronic mail data" and "in response to the mobile device receiving the sent updated policy settings, receiving at the computer system another sync request along with the updated policy version from the mobile device, the another sync request requesting that the mobile device be permitted to access the maintained data in order to sync data between the mobile device and the computer system, the updated policy version indicating that the mobile device is configured in accordance with the updated policy settings." These features, in combination with the other limitations in the claims, are not anticipated by, nor made obvious over, the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Klein et al. (US 2011/0086611 A1) discloses a system and method for mobile device leasing with customized operational features.

b. Krahn et al. (US 2010/0281143 A1) discloses a system and method for maintaining mobile device operations.

c. Sapp et al. (US 2010/0115582 A1) discloses a system and method for mediating connections between policy source servers, corporate repositories, and mobile devices.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sarah Su whose telephone number is (571) 270-3835. The examiner can normally be reached on Monday through Friday 7:30AM-5:00PM EST..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915. 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.

/NATHAN FLYNN/
Supervisory Patent Examiner, Art Unit 2468

/Sarah Su/
Examiner, Art Unit 2431

Notice of References Cited	Application/Control No. 11/171,850	Applicant(s)/Patent Under Reexamination LIMONT ET AL.	
	Examiner Sarah Su	Art Unit 2431	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2010/0115582 A1	05-2010	Sapp et al.	726/1
*	B	US-2010/0281143 A1	11-2010	Krahn et al.	709/221
*	C	US-2011/0086611 A1	04-2011	Klein et al.	455/407
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

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NPL Multi-Search Search tips

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	(email or e-mail or electronic and mail)	Full Text
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And	(policy or setting or config or confic	Full Text
And	(mobile or cell or iphone or ipad or	Full Text

Search

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1. IEEE Draft Standard for Information Technology - Telecommunications and Informatio
Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Par
LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications
**IEEE Draft P802.11-REVmb/D7.0, February 2011 (Revision of IEEE Std 802.11-2007, as an
Std 802.11k-2008, IEEE Std 802.11r-2008, IEEE Std 802.11y-2008, IEEE Std 802.11w-2009
802.11n-2009)**
2011. p.1-2198
Source: IEEE Electronic Library Online
Show Abstract

2. IEEE Draft Standard for Information Technology -Telecommunications and information
between systems - Wireless Regional Area Networks (WRAN) - Specific requirements - P
Cognitive Wireless RAN Medium Access Control (MAC) and Physical Layer (PHY) specifi
Policies and procedures for operation in the TV Bands
IEEE P802.22/D2.0, February 2011
2011. p.1-698
Source: IEEE Electronic Library Online
Show Abstract

3. Synchronization Server Sends Commands to Mobile Devices via IP Multicast
2007-02-15.
Source: IP.com
Show Abstract

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11171850	LIMONT ET AL.
	Examiner	Art Unit
	Sarah Su	2431

SEARCHED

Class	Subclass	Date	Examiner
726	3,6	10/29/09	SS
726	1, 3, 6	9/2/10	SS
709	217, 220, 221, 222	9/3/10	SS
726	1, 3, 6	5/3/11	SS
709	217, 220, 221, 222	5/3/11	SS

SEARCH NOTES

Search Notes	Date	Examiner
PLUS Search	2/19/09	SS
Inventor Search	2/19/09	SS
EAST Search (see attached)	2/20/09	SS
EAST Search (see attached)	10/29/09	SS
EAST Search (see attached)	3/30/10	SS
Consulted with Benjamin Lanier, Primary Examiner AU 2432	9/1/10	SS
EAST Search (see attached)	9/3/10	SS
Interference Search	9/3/10	SS
NPL Search	9/3/10	SS
NPL Search	12/23/10	SS
Interference Search	1/6/11	SS
EAST Search (attached)	1/6/11	SS
EAST Search (see attached)	5/3/11	SS
Interference Search	5/3/11	SS
NPL Search	5/3/11	SS

INTERFERENCE SEARCH

Class	Subclass	Date	Examiner
726	1, 3, 6	9/3/10	SS
709	217, 220, 221, 222	9/3/10	SS
726	1, 3, 6	1/6/11	SS
709	217, 220, 221, 222	1/6/11	SS
726	1, 3, 6	5/3/11	SS
709	217, 220, 221, 222	5/3/11	SS

Issue Classification

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11171850	LIMONT ET AL.
Examiner	**Art Unit**
Sarah Su	2431

ORIGINAL		INTERNATIONAL CLASSIFICATION									
CLASS	SUBCLASS	CLAIMED					NON-CLAIMED				
726	3	G	0	6	F	7 / 04 (2006.01.01)	G	0	6	F	15 / 16 (2006.01.01)
		G	0	6	F	17 / 00 (2006.01.01)	G	0	6	F	15 / 177 (2006.01.01)

CROSS REFERENCE(S)					
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
726	1	6			
709	217	220	221	222	

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

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
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2	2	15	18												
3	3	16	19												
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11	14														
12	15														
13	16														

/Sarah Su/ Examiner.Art Unit 2431	5/3/11	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	17	
/WILLIAM R KORZUCH/ Supervisory Patent Examiner.Art Unit 2431	09/08/2010	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	4

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
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	Sarah Su	2431

✓	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								
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17	20	✓	✓	✓	=	=	=			

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EAST Search History

EAST Search History (Prior Art)

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L2	5	((DAVID) near2 (LIMONT)).INV. and (sync and synchroniz$5)	US-PGPUB; USPAT	ADJ	ON	2011/05/03 11:53
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L6	9	((OMAR) near2 (AFTAB)).INV.	US-PGPUB; USPAT	ADJ	ON	2011/05/03 13:03
L7	7	((PATRICK) near2 (TOUSIGNANT)).INV.	US-PGPUB; USPAT	ADJ	ON	2011/05/03 13:06
L8	21	((SELVARAJ) near2 (NALLIAH)).INV.	US-PGPUB; USPAT	ADJ	ON	2011/05/03 13:10
L9	10	((ZHIDONG) near2 (YANG)).INV.	US-PGPUB; USPAT	ADJ	ON	2011/05/03 13:12
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L15	60	(device manage$4 or dm or open mobile alliance or oma or iota-dm or iota) with (setting or config or configuration or configure or policy) with (sync or synchroniz $4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/05/03 13:17
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L21	2009	(726/1,3,6).ccls. and (policy or configuration or config or setting) and (electronic mail or email or e-mail)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/05/03 13:24
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L24	17056	(709/217,220,221,222).ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/05/03 13:26
L25	150	(709/217,220,221,222).ccls. and (electronic mail or email or e-mail) with (sync or synchroniz$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/05/03 13:27
L26	16	(709/217,220,221,222).ccls. and (electronic mail or email or e-mail) with (sync or synchroniz$5) with (policy or setting or configuration or config)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2011/05/03 13:27
L38	18	microsoft.as. and (email or e-mail or electronic mail) with (sync or synchroniz$5) with (policy or setting or configuration or config)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2011/05/03 13:53
S1	23	((DAVID) near2 (LIMONT)).INV.	US-PGPUB; USPAT	ADJ	ON	2011/05/03 11:49

EAST Search History (Interference)

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L31	167	(726/1,3,6).ccls. and (policy or config or configuration or setting).clm. and (electronic mail or e-mail or email).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/05/03 13:34
L32	6	(726/1,3,6).ccls. and (policy or config or configuration or setting).clm. and (electronic mail or e-mail or email).clm. and (sync or synchroniz $5).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/05/03 13:35
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L34	1103	(709/217,220,221,222).ccls. and (electronic mail or e-mail or email).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/05/03 13:35
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L36	3	(709/217,220,221,222).ccls. and (electronic mail or e-mail or email).clm. and (sync or synchroniz$5).clm. with (policy or setting or config or configuration).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/05/03 13:36
L37	72	(electronic mail or e-mail or email).clm. and (sync or synchroniz$5).clm. with (policy or setting or config or configuration).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/05/03 13:40

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FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 14917.1810US01	Application Number: 11/171850
	Applicant: Limont et al.	
	Filing Date: 06/30/05	Group Art Unit: 2431

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/S.S./		European Communication mailed September 13, 2005 in Application No. 03 003 290.8.
/S.S./		Hummel, S.F. "Efficient Data Sharing with Conditional Remote Memory Transfers," Computer Architecture News, Vol. 24, No. 5, 1996, pp. 9-17.

27488
PATENT TRADEMARK OFFICE

EXAMINER /Sarah Su/	DATE CONSIDERED 05/03/2011

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

*Substitute Disclosure Statement Form (PTO-1449)

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Limont et al.	Examiner:	Sarah Su
Serial No.:	11/171,850	Group Art Unit:	2431
Filed:	06/30/2005	Docket No.:	14917.1810US01 / 312878.01
Title:	ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES		

FILED VIA EFS WEB

REQUEST FOR CONTINUED EXAMINATION UNDER 37 C.F.R. §1.114

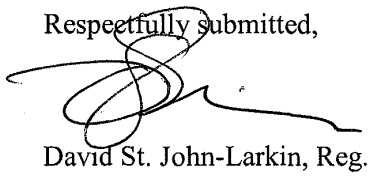
Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Under 37 C.F.R. §1.114, it is respectfully requested that this application be accorded the benefits of Continued Examination. Please consider the IDS being filed concurrently with this request.

Payment in the amount of $810.00 is being paid via credit card to cover the required fee for a large entity. However, the Commissioner is hereby authorized to charge any deficiencies or credit any overpayment with respect to this patent application to deposit account number 13-2725.

Respectfully submitted,



David St. John-Larkin, Reg. No. 56,924
MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903
303-357-1643

Date: April 19, 2011

27488
PATENT TRADEMARK OFFICE

Electronic Patent Application Fee Transmittal

Application Number:	11171850
Filing Date:	30-Jun-2005
Title of Invention:	ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David P. Limont
Filer:	David Christopher Stjohnlarkin/Michele Scocchera
Attorney Docket Number:	312878.01
Filed as Large Entity	

Utility under 35 USC 111(a) Filing Fees

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Request for continued examination	1801	1	810	810
Total in USD ($)				**810**

Electronic Acknowledgement Receipt	
EFS ID:	9912711
Application Number:	11171850
International Application Number:	
Confirmation Number:	5452
Title of Invention:	ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David P. Limont
Customer Number:	27488
Filer:	David Christopher Stjohnlarkin/Michele Scocchera
Filer Authorized By:	David Christopher Stjohnlarkin
Attorney Docket Number:	312878.01
Receipt Date:	19-APR-2011
Filing Date:	30-JUN-2005
Time Stamp:	16:54:08
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$810
RAM confirmation Number	3629
Deposit Account	132725
Authorized User	ST JOHN LARKIN,DAVID
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees) Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)					
File Listing:					
Document Number	**Document Description**	**File Name**	**File Size(Bytes)/ Message Digest**	**Multi Part /.zip**	**Pages (if appl.)**
1	Transmittal Letter	IDS_Transmittal.pdf	78786 60f72a9f555db165b01d82a9b39be59bdff27693	no	2
Warnings:					
Information:					
2	NPL Documents	European_Communication.PDF	298950 0cb746d55469fcc23c7efd75a90e8a238743a769	no	7
Warnings:					
Information:					
3	NPL Documents	Hummel.PDF	468923 84d3d764c4896e59a526499dbd9bbdbc9955a1ea	no	11
Warnings:					
Information:					
4	Information Disclosure Statement (IDS) Filed (SB/08)	1449.pdf	52214 41f434d50466fa354860b37136b592c0b7aa2bc0	no	1
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
5	Request for Continued Examination (RCE)	RCE.pdf	41482 eb8cff4bfaf1b832b066427dffe9b92845d88c07	no	1
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
6	Fee Worksheet (PTO-875)	fee-info.pdf	30397 0f4eaaa04875077bd4923436d7131ddd787dfd9b	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	970752		

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

Applicant:	Limont et al.	Examiner:	Sarah Su
Serial No.:	11/171,850	Group Art Unit:	2431
Filed:	06/30/2005	Docket No.:	14917.1810US01 / 312878.01
Title:	ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES		

FILED VIA EFS WEB

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

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

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing of a first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. § 1.114 or a CPA under 37 C.F.R. § 1.53(d). Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

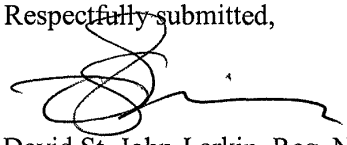
In accordance with 37 C.F.R. §1.98(a)(2), a copy of each foreign patent and/or a copy of each publication, other than U.S. patents and U.S. patent application publications, listed on the accompanying Form 1449 is enclosed.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,



David St. John-Larkin, Reg. No. 56,924
MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903
303-357-1643

Date: April 19, 2011

27488
PATENT TRADEMARK OFFICE

IPR2024-00809
Petitioner's Exhibit 1013
Page 000037

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 14917.1810US01	Application Number: 11/171850
	Applicant: Limont et al.	
	Filing Date: 06/30/05	Group Art Unit: 2431

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
		European Communication mailed September 13, 2005 in Application No. 03 003 290.8.
		Hummel, S.F. "Efficient Data Sharing with Conditional Remote Memory Transfers," Computer Architecture News, Vol. 24, No. 5, 1996, pp. 9-17.

27488
PATENT TRADEMARK OFFICE

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

*Substitute Disclosure Statement Form (PTO-1449) Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/171,850	06/30/2005	David P. Limont	312878.01

CONFIRMATION NO. 5452

27488
MERCHANT & GOULD (MICROSOFT)
P.O. BOX 2903
MINNEAPOLIS, MN 55402-0903

POA ACCEPTANCE LETTER

OC00000004579759 8

Date Mailed: 02/02/2011

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 01/31/2011.

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.

/tcouch/

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

IPR2024-00809
Petitioner's Exhibit 1013
Page 000039

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/171,850	06/30/2005	David P. Limont	312878.01

CONFIRMATION NO. 5452

22971
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052-6399

POWER OF ATTORNEY NOTICE

OC00000004579759 7

Date Mailed: 02/02/2011

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 01/31/2011.

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

/tcouch/

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

IPR2024-00809
Petitioner's Exhibit 1013
Page 000040

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Bib Data Sheet

CONFIRMATION NO. 5452

SERIAL NUMBER	FILING OR 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
11/171,850	06/30/2005 RULE	726	2431	312878.01

APPLICANTS

David P. Limont, Seattle, WA;
John Allen Atwood, Duvall, WA;
Massimiliano Ciccotosto, Kirkland, WA;
Omar Aftab, Redmond, WA;
Patrick Tousignant, Bellevue, WA;
Selvaraj Nalliah, Redmond, WA;
Zhidong Yang, Bellevue, WA;

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

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

IF REQUIRED, FOREIGN FILING LICENSE GRANTED
** 08/09/2005

		STATE OR COUNTRY	SHEETS DRAWING	TOTAL CLAIMS	INDEPENDENT CLAIMS
Foreign Priority claimed	☐ yes ☐ no	WA	5	20	3
35 USC 119 (a-d) conditions met	☐ yes ☐ no ☐ Met after Allowance				
Verified and Acknowledged	Examiner's Signature Initials				

ADDRESS
27488

TITLE

ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

FILING FEE RECEIVED	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:
1130	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

PTO/SB/80 (11-08)
Approved for use through 11/30/2011. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

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

I hereby appoint:

☑ Practitioners associated with the Customer Number: 27488

OR

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

Name	Registration Number	Name	Registration Number

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

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

☑ The address associated with Customer Number: 27488

OR

☐ Firm or Individual Name			
Address			
City		State	Zip
Country			
Telephone		Email	

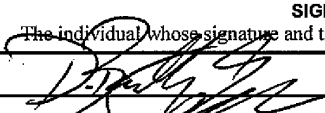
Assignee Name and Address:

Microsoft Corporation
One Microsoft Way
Redmond, Washington 98052

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

SIGNATURE of Assignee of Record

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

Signature		Date	1/25/11
Name	D. Bartley Eppenauer	Telephone	425-703-0645
Title	Assistant Secretary		

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

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

Electronic Acknowledgement Receipt	
EFS ID:	9342534
Application Number:	11171850
International Application Number:	
Confirmation Number:	5452
Title of Invention:	ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David P. Limont
Customer Number:	22971
Filer:	Timothy Brian Scull/Amanda Tomas
Filer Authorized By:	Timothy Brian Scull
Attorney Docket Number:	312878.01
Receipt Date:	31-JAN-2011
Filing Date:	30-JUN-2005
Time Stamp:	15:07:30
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		14917_1810US01_POA.pdf	371296 f129fdd5eb2b4378474786cc5afc1a4154898ae2	yes	3

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Change of Address	1	1
	Assignee showing of ownership per 37 CFR 3.73(b).	2	2
	Power of Attorney	3	3
Warnings:			
Information:			
	Total Files Size (in bytes):	371296	

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

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

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

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

PTO/SB/122 (01-06)
Approved for use through 12/31/2008. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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CHANGE OF CORRESPONDENCE ADDRESS
Application

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

Application Number	11/171,850
Filing Date	June 30, 2005
First Named Inventor	David P. Limont
Art Unit	2431
Examiner Name	SARAH SU
Attorney Docket Number	14917.1810US01/312878.01

Please change the Correspondence Address for the above-identified patent application to:

☑ The address associated with Customer Number: 27488

OR

☐ Firm or Individual Name

Address

City	State	Zip

Country

Telephone	Email

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the:

☐ Applicant/Inventor

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

☑ Attorney or agent of record. Registration Number 42,137.

☐ Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number_____.

Signature	/Timothy B. Scull/
Typed or Printed Name	Timothy B. Scull
Date January 31, 2011	Telephone 303-357-1648

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

☑ *Total of 1 forms are submitted.

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

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

PTO/SB/96 (09-08)
Approved for use through 10/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: David P. Limont et al.

Application No./Patent No.: 11/171,850 Filed/Issue Date: June 30, 2005

Entitled: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

Microsoft Corporation (Name of Assignee) , a corporation (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☑ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest (The extent (by percentage) of its ownership interest is _____ %)

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

A. ☑ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 016515, Frame 0073, or for which a copy therefore is attached.

OR

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

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

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

☐ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

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

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

/Timothy B. Scull/ — Signature
January 31, 2011 — Date
Timothy B. Scull — Printed or Typed Name
303-357-1648 — Telephone Number
Attorney — Title
(Atty. Docket No.14917.1810US01)

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

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

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

22971 7590 01/19/2011

MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052-6399

EXAMINER	
SU, SARAH	
ART UNIT	PAPER NUMBER
2431	

DATE MAILED: 01/19/2011

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/171,850	06/30/2005	David P. Limont	312878.01	5452

TITLE OF INVENTION: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$300	$0	$1810	04/19/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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Petitioner's Exhibit 1013
Page 000047

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

22971 7590 01/19/2011

MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052-6399

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/171,850	06/30/2005	David P. Limont	312878.01	5452

TITLE OF INVENTION: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$300	$0	$1810	04/19/2011

EXAMINER	ART UNIT	CLASS-SUBCLASS
SU, SARAH	2431	726-003000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
- ❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. The following fee(s) are submitted:
- ❑ Issue Fee
- ❑ Publication Fee (No small entity discount permitted)
- ❑ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
- ❑ A check is enclosed.
- ❑ Payment by credit card. Form PTO-2038 is attached.
- ❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)
- ❑ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- ❑ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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.

IPR2024-00809
Petitioner's Exhibit 1013
Page 000048

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/171,850	06/30/2005	David P. Limont	312878.01	5452

22971 7590 01/19/2011

MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052-6399

EXAMINER	
SU, SARAH	
ART UNIT	PAPER NUMBER
2431	

DATE MAILED: 01/19/2011

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 906 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 906 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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Petitioner's Exhibit 1013
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Notice of Allowability	Application No.	Applicant(s)	
	11/171,850	LIMONT ET AL.	
	Examiner	Art Unit	
	Sarah Su	2431	

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *submission filed 12/20/10*.

2. ☒ The allowed claim(s) is/are *1-4,6-9 and 12-20*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 12/20/10
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/Sarah Su/
Examiner, Art Unit 2431

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NOTICE OF ALLOWANCE

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 20 December 2010 has been entered.

2. Claims 1-4, 6-9, and 12-20 are presented for examination.

Information Disclosure Statement

3. The information disclosure statement filed 20 December 2010 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each cited foreign patent document; each non-patent literature publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. It has been placed in the application file, but the information referred to therein has not been considered.

Allowable Subject Matter

4. Claims 1-4, 6-9, and 12-20 are allowed.

5. The following is an examiner's statement of reasons for allowance:

Claim 1 discloses of “receiving at the computer system a sync request from the mobile device, the sync request requesting that the mobile device be permitted to access the data maintained by the computer system in order to sync data between the mobile device and the computer system, the sync request indicating a current mobile device configuration of the mobile device and including a configuration version corresponding to the current mobile device configuration, the data maintained by the computer system comprising electronic mail data” and “in response to receiving the indication that the mobile device is configured in accordance with the sent device configuration settings, permitting the mobile device to access the maintained data using the sync request in order to sync data between the mobile device and the computer system." These features, in combination with the other limitations in the claims, are not anticipated by, nor made obvious over, the prior art of record.

Claims 9 and 20 disclose of “receiving at the computer system a data command from a mobile device, the data command including a policy version and a sync request to access data maintained at the computer system in order to sync data between the mobile device and the computer system, the policy version representing current policy settings at the mobile device, the data maintained at the computer system comprising electronic mail data” and “in response to the mobile device receiving the sent updated policy settings, receiving at the computer system another sync request along with the updated policy version from the mobile device, the another sync request requesting that the mobile device be permitted to access the maintained data in order to sync data between the mobile device and the computer system, the updated policy version

indicating that the mobile device is configured in accordance with the updated policy settings." These features, in combination with the other limitations in the claims, are not anticipated by, nor made obvious over, the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Lehtovirta et al. (US 2010/0228836 A1) discloses a system and method for facilitating synchronization of setting configurations.

b. Tian (US 2008/0189363 A1) discloses a system and method for negotiating device information.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sarah Su whose telephone number is (571) 270-3835. The examiner can normally be reached on Monday through Friday 7:30AM-5:00PM EST..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Korzuch can be reached on (571) 272-7589. 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.

/William R. Korzuch/
Supervisory Patent Examiner, Art Unit 2431

/Sarah Su/
Examiner, Art Unit 2431

Notice of References Cited	Application/Control No. 11/171,850	Applicant(s)/Patent Under Reexamination LIMONT ET AL.	
	Examiner Sarah Su	Art Unit 2431	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2008/0189363 A1	08-2008	Tian, Linyi	709/203
*	B	US-2010/0228836 A1	09-2010	Lehtovirta et al.	709/220
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

IPR2024-00809
Petitioner's Exhibit 1013
Page 000055

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 312878.01	Application Number: 11/171850
	Applicant: Limont et al.	
	Filing Date: 06/30/05	Group Art Unit: 2431

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,390,216	02-1995	Bilitza et al.			
	5,450,573	09-1995	Gronemeyer, Michael			
	6,134,283	10-2000	Sands et al.			
	6,256,304	07-2001	Vayrynen, Mika			
	6,285,680	09-2001	Steinka et al.			
	6,308,223	10-2001	Opgenoorth, Bernd			
	6,577,878	06-2003	Park et al.			
	6,711,151	03-2004	Ziegler, Kevin			
	7,024,214	04-2006	Loveland			
	7,493,130	02-2009	Loveland			
	US 2001/0048728 A1	12-2001	Peng			
	US 2001/0054115 A1	12-2001	Ferguson, et al.			
	US 2002/0068552 A1	06-2002	Siemens, Gerhard			
	US 2002/0197984 A1	12-2002	Monin et al.			
	US 2003/0036398 A1	02-2003	Asakawa, Stuart D.			
	US 2003/0119524 A1	06-2003	Carlsson, Hans			
	US 2003/0125057 A1	07-2003	Pesola, Troy Raymond			
	US 2003/0125057 A1	07-2003	Pesola, Troy Raymond			
	US 2003/0126327 A1	07-2003	Pesola et al.			

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	2000-155710	06-2000	JAPAN				
	2001-202319	07-2001	JAPAN				
	2001-274841	10-2001	JAPAN				
	2002-055864	02-2002	JAPAN				

EXAMINER /Sarah Su/	DATE CONSIDERED 12/23/2010

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

*Substitute Disclosure Statement Form (PTO-1449) Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.S./

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 312878.01	Application Number: 11/171850
	Applicant: Limont et al.	
	Filing Date: 06/30/05	Group Art Unit: 2431

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
		Box, Donald F., et al "Adaptive – An Object-Oriented Framework for Flexible and Adaptive Communication Protocols" IFIP Conference Online, December 1992, URL: Http://www.cs.wustl.edu/schmidt/PDF/HPN-93.pdf
		Kuroda, Masahiro, et al. "A Study of Autonomous Data Coherency Protocol for Mobile Divices" Computer Communication and Networks, 1999. Proceedings Eight International Conference, Boston, MA Oct 11-13, 1999.
		U.S. Non-Final Office Action mailed August 25, 2004, in U.S. Application No. 10/082,918.
		Response to U.S. Non-Final Office Action mailed August 25, 2004, in U.S. Application No. 10/082,918 filed November 22, 2004.
		U.S. Non-Final Office Action mailed June 17, 2005, in U.S. Application No. 10/082,918.
		Response to U.S. Non-Final Office Action mailed June 17, 2005, in U.S. Application No. 10/082,918 filed September 2, 2005.
		Notice of Allowance mailed November 15, 2005, in U.S. Application No. 10/082,918.
		U.S. Non-Final Office Action mailed March 4, 2008, in U.S. Application No. 11/340,346.
		Response to Non-Final Office Action mailed March 4, 2008, in U.S. Application No. 11/340,346 filed June 4, 2008.
		Notice of Allowance mailed November 6, 2008, in U.S. Application No. 11/340,346.
		~~European Communication mailed September 13, 2005 in Application No. 03 003 290.8.~~
		Response to European Communication mailed September 13, 2005 in Application No. 03 003 290.8, filed March 22, 2006.
		European Search Report dated February 2, 2005 in Application No. 03 003 290.8.
		Japanese Notice of Rejection mailed January 15, 2010 in Japanese Patent Application No. 2009-149011.
		Response to Japanese Notice of Rejection mailed January 15, 2010 in Japanese Patent Application No. 2009-149011, filed April 13, 2010.
		Japanese Notice of Allowance mailed May 28, 2010 in Japanese Patent Application No. 2009-149011
		Japanese Official Notice of Rejection mailed October 31, 2008, in Japanese Patent Application No. 2003-022799.
		Response to Japanese Official Notice of Rejection mailed October 31, 2008, in Japanese Patent Application No. 2003-022799, filed January 30, 2009.
		Japanese Official Notice of Rejection mailed March 24, 2009 in Japanese Patent Application No. 2003-022799.
		Response to Japanese Official Notice of Rejection mailed March 24, 2009 in Japanese Patent Application No. 2003-022799, filed June 23, 2009.
		Japanese Notice of Allowance mailed August 14, 2009 in Japanese Patent Application No. 2003-022799.

EXAMINER /Sarah Su/	DATE CONSIDERED 12/23/2010

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

*Substitute Disclosure Statement Form (PTO-1449) Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.S./

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11171850	LIMONT ET AL.
	Examiner	Art Unit
	Sarah Su	2431

SEARCHED			
Class	Subclass	Date	Examiner
726	3,6	10/29/09	SS
726	1, 3, 6	9//102	SS
709	217, 220, 221, 222	9/3/10	SS

SEARCH NOTES		
Search Notes	Date	Examiner
PLUS Search	2/19/09	SS
Inventor Search	2/19/09	SS
EAST Search (see attached)	2/20/09	SS
EAST Search (see attached)	10/29/09	SS
EAST Search (see attached)	3/30/10	SS
Consulted with Benjamin Lanier, Primary Examiner AU 2432	9/1/10	SS
EAST Search (see attached)	9/3/10	SS
Interference Search	9/3/10	SS
NPL Search	9/3/10	SS
NPL Search	12/23/10	SS
Interference Search	1/6/11	SS
EAST Search (attached)	1/6/11	SS

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner
726	1, 3, 6	9/3/10	SS
709	217, 220, 221, 222	9/3/10	SS
726	1, 3, 6	1/6/11	SS
709	217, 220, 221, 222	1/6/11	SS

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	27	(726/1,3,6).ccls. and (email or electronic mail or e-mail) with (sync or synchroniz$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2011/01/06 10:34
L4	480	(electronic mail or email or e-mail) with (sync or synchroniz$5) with (mobile or iphone or ipad or blackberry or laptop or netbook)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2011/01/06 10:41
L6	27	(electronic mail or email or e-mail) with (sync or synchroniz$5) with (mobile or iphone or ipad or blackberry or laptop or netbook) with (config or configuration or policy or setting)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2011/01/06 10:41
L7	130	(device management or dm or open mobile alliance or oma or iota-dm or iota) with (setting or config or configuration or configure) with (sync or synchroniz$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2011/01/06 10:41
L8	15	(709/217,220,221,222).ccls. and (electronic mail or e-mail or email) with (sync or synchroniz $5) with (policy or setting or config or configure or configuration)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2011/01/06 10:44
L9	11	(policy or setting or config or configure or configuration) with request$3 with complian$2 same (email or e-mail or electronic mail)	US-PGPUB; USPAT	ADJ	ON	2011/01/06 10:45
L10	15	(policy or setting or config or configure or configuration) with request$3 same (sync or synchroniz$5) with (email or e-mail or electronic mail)	US-PGPUB; USPAT	ADJ	ON	2011/01/06 10:45
L11	22	((DAVID) near2 (LIMONT)).INV.	US-PGPUB; USPAT	ADJ	ON	2011/01/06 10:53
L13	13	((JOHN) near2 (ATWOOD)).INV. and (sync or synchroniz$5)	US-PGPUB; USPAT	ADJ	ON	2011/01/06 10:54
L14	7	((MASSIMILIANO) near2 (CICCOTOSTO)).INV.	US-PGPUB; USPAT	ADJ	ON	2011/01/06 10:54
L15	9	((OMAR) near2 (AFTAB)).INV.	US-PGPUB; USPAT	ADJ	ON	2011/01/06 10:54
L16	17	((SELVARAJ) near2 (NALLIAH)).INV. and (sync or synchroniz$5)	US-PGPUB; USPAT	ADJ	ON	2011/01/06 10:55

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L17	10	((ZHIDONG) near2 (YANG)).INV.	US-PGPUB; USPAT	ADJ	ON	2011/01/06 10:55
S1	18	US-5390216-$.DID. OR US-5450573-$.DID. OR US-6134283-$.DID. OR US-6256304-$.DID. OR US-6285680-$.DID. OR US-6308223-$.DID. OR US-6577878-$.DID. OR US-6711151-$.DID. OR US-7024214-$.DID. OR US-7493130-$.DID. OR US-20010048728-$.DID. OR US-20010054115-$.DID. OR US-20020068552-$.DID. OR US-20020197984-$.DID. OR US-20030036398-$.DID. OR US-20030119524-$.DID. OR US-20030125057-$.DID. OR US-20030126327-$.DID.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/12/23 11:06
S2	10	"082918".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/12/23 11:17
S3	8	"340346".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/12/23 11:21
S4	475	(electronic mail or email or e-mail) with (sync or synchroniz$5) with (mobile or iphone or ipad or blackberry or laptop or netbook)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/12/23 11:53
S5	27	(electronic mail or email or e-mail) with (sync or synchroniz$5) with (mobile or iphone or ipad or blackberry or laptop or netbook) with (config or configuration or policy or setting)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/12/23 11:54
S6	76611	(device management or dm or open mobile alliance or oma or iota-dm or iota)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/12/23 11:56
S7	3999	(device management or dm or open mobile alliance or oma or iota-dm or iota) with (setting or config or configuration or configure)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/12/23 11:57
S8	129	(device management or dm or open mobile alliance or oma or iota-dm or iota) with (setting or config or configuration or configure) with (sync or synchroniz$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/12/23 11:57
S9	5390	(726/1,3,6).ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/12/23 12:04

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S11	16082	(709/217,220,221,222).ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/12/23 12:06
S12	137	(709/217,220,221,222).ccls. and (electronic mail or e-mail or email) with (sync or synchroniz $5)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/12/23 12:06
S13	15	(709/217,220,221,222).ccls. and (electronic mail or e-mail or email) with (sync or synchroniz $5) with (policy or setting or config or configure or configuration)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/12/23 12:07
S14	22	((DAVID) near2 (LIMONT)).INV.	US-PGPUB; USPAT	ADJ	ON	2010/12/23 12:57
S15	11	((DAVID) near2 (LIMONT)).INV. and (sync or synchroniz$5)	US-PGPUB; USPAT	ADJ	ON	2010/12/23 12:58
S16	138	((JOHN) near2 (ATWOOD)).INV.	US-PGPUB; USPAT	ADJ	ON	2010/12/23 13:00
S17	13	((JOHN) near2 (ATWOOD)).INV. and (sync or synchroniz$5)	US-PGPUB; USPAT	ADJ	ON	2010/12/23 13:00
S18	7	((MASSIMILIANO) near2 (CICCOTOSTO)).INV.	US-PGPUB; USPAT	ADJ	ON	2010/12/23 13:01
S19	9	((OMAR) near2 (AFTAB)).INV.	US-PGPUB; USPAT	ADJ	ON	2010/12/23 13:01
S20	7	((PATRICK) near2 (TOUSIGNANT)).INV.	US-PGPUB; USPAT	ADJ	ON	2010/12/23 13:02
S21	21	((SELVARAJ) near2 (NALLIAH)).INV.	US-PGPUB; USPAT	ADJ	ON	2010/12/23 13:02
S22	17	((SELVARAJ) near2 (NALLIAH)).INV. and (sync or synchroniz$5)	US-PGPUB; USPAT	ADJ	ON	2010/12/23 13:03
S23	10	((ZHIDONG) near2 (YANG)).INV.	US-PGPUB; USPAT	ADJ	ON	2010/12/23 13:05
S24	100409	(policy or setting or config or configure or configuration) with request$3	US-PGPUB; USPAT	ADJ	ON	2010/12/23 13:07
S25	598	(policy or setting or config or configure or configuration) with request$3 with complian$2	US-PGPUB; USPAT	ADJ	ON	2010/12/23 13:07
S26	11	(policy or setting or config or configure or configuration) with request$3 with complian$2 same (email or e-mail or electronic mail)	US-PGPUB; USPAT	ADJ	ON	2010/12/23 13:08
S27	15	(policy or setting or config or configure or configuration) with request$3 same (sync or synchroniz$5) with (email or e-mail or electronic mail)	US-PGPUB; USPAT	ADJ	ON	2010/12/23 13:09

EAST Search History (Interference)

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L18	6	(726/1,3,6).ccls. and (policy or configuration or configure or setting).clm. and (sync or synchroniz$5).clm. and (email or e-mail or electronic mail).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/01/06 10:56
L19	13	(709/217,220,221,222).ccls. and (sync or synchroniz$5).clm. and (email or e-mail or electronic mail).clm. and (policy or config or configuration or configure or setting).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2011/01/06 10:57
S28	5642	(726/1,3,6).ccls.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/12/23 13:10
S29	4905	(726/1,3,6).ccls. and (policy or configuration or configure or setting)	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/12/23 13:10
S30	869	(726/1,3,6).ccls. and (policy or configuration or configure or setting) and (sync or synchroniz$5)	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/12/23 13:11
S31	128	(726/1,3,6).ccls. and (policy or configuration or configure or setting) and (sync or synchroniz$5).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/12/23 13:11
S32	54	(726/1,3,6).ccls. and (policy or configuration or configure or setting).clm. and (sync or synchroniz$5).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/12/23 13:11
S33	6	(726/1,3,6).ccls. and (policy or configuration or configure or setting).clm. and (sync or synchroniz$5).clm. and (email or e-mail or electronic mail).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/12/23 13:11
S34	16253	(709/217,220,221,222).ccls.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/12/23 13:12
S35	713	(709/217,220,221,222).ccls. and (sync or synchroniz$5).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/12/23 13:12
S36	55	(709/217,220,221,222).ccls. and (sync or synchroniz$5).clm. and (email or e-mail or electronic mail).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/12/23 13:12
S37	13	(709/217,220,221,222).ccls. and (sync or synchroniz$5).clm. and (email or e-mail or electronic mail).clm. and (policy or config or configuration or configure or setting).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/12/23 13:12

1/6/2011 11:02:37 AM

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NPL Multi-Search Search tips

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And	"electronic mail"	Full Text
And	mobile	Full Text
And		Title

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1. CompanionLink Launches PC Sync with BlackBerry Torch 9800
Anonymous.
Wireless News; Coventry
Aug 18, 2010. p.n/a
Source: ProQuest Computing
Show Abstract

2. Google to push Gmail to BlackBerrys
Network World Middle East; Dubai
May 5, 2009. p.n/a
Source: ProQuest Computing
Show Abstract

3. Guidelines on Cell Phone and PDA Security Recommendations of the National
Wayne Jansen; Karen Scarfone; Carlos M. Gutierrez; Dr. Patrick; D. Gallagher; Deputy Directo
2008.
Source: CiteSeer.IST
Show Abstract

4. Decentralized electronic mail
Sivan Bercovici; Yaniv Frishman.
2006.
Source: CiteSeer.IST
Show Abstract

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5. **Routing Protocols for Efficient Communication in Wireless Ad-hoc Networks**
Ioannis Chatzigiannakis; Ioannis Chatzigiannakis; Panagiotis Kokkinos; Christos Zaroliagis.
2006.
Source: CiteSeer.IST
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Searching [R3] and USPTO "Rules of the Road (PDF Doc)" when using Internet resources
If you cannot access a file because of a missing or non-working plugin, please contact the Help Desk at 2-9000 for

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Last modified 12/23/2010 13:29:02

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11171850	LIMONT ET AL.
	Examiner	**Art Unit**
	Sarah Su	2431

✓	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	02/20/2009	10/29/2009	03/30/2010	09/03/2010	01/06/2011				
1	1	✓	✓	✓	=	=				
2	2	✓	✓	✓	=	=				
3	3	✓	✓	✓	=	=				
4	4	✓	✓	✓	=	=				
	5	✓	-	-	-	-				
5	6	✓	✓	✓	=	=				
6	7	✓	✓	✓	=	=				
7	8	✓	✓	✓	=	=				
8	9	✓	✓	✓	=	=				
	10	✓	✓	-	-	-				
	11	✓	-	-	-	-				
9	12	✓	✓	✓	=	=				
10	13	✓	✓	✓	=	=				
11	14	✓	✓	✓	=	=				
12	15	✓	✓	✓	=	=				
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15	18	✓	✓	✓	=	=				
16	19	✓	✓	✓	=	=				
17	20	✓	✓	✓	=	=				

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Issue Classification

Application/Control No.	Applicant(s)/Patent Under Reexamination
11171850	LIMONT ET AL.
Examiner	**Art Unit**
Sarah Su	2431

ORIGINAL		INTERNATIONAL CLASSIFICATION									
CLASS	SUBCLASS	CLAIMED					NON-CLAIMED				
726	3	G	0	6	F	7 / 04 (2006.01.01)	G	0	6	F	15 / 16 (2006.01.01)
		G	0	6	F	17 / 00 (2006.01.01)	G	0	6	F	15 / 177 (2006.01.01)

CROSS REFERENCE(S)					
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
726	1	6			
709	217	220	221	222	

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

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	14	17												
2	2	15	18												
3	3	16	19												
4	4	17	20												
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8	9														
	10														
	11														
9	12														
10	13														
11	14														
12	15														
13	16														

/Sarah Su/ Examiner.Art Unit 2431	1/6/11	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	17	
/WILLIAM R KORZUCH/ Supervisory Patent Examiner.Art Unit 2431	09/08/2010	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	4

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FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 312878.01	Application Number: 11/171850
	Applicant: Limont et al.	
	Filing Date: 06/30/05	Group Art Unit: 2431

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,390,216	02-1995	Bilitza et al.			
	5,450,573	09-1995	Gronemeyer, Michael			
	6,134,283	10-2000	Sands et al.			
	6,256,304	07-2001	Vayrynen, Mika			
	6,285,680	09-2001	Steinka et al.			
	6,308,223	10-2001	Opgenoorth, Bernd			
	6,577,878	06-2003	Park et al.			
	6,711,151	03-2004	Ziegler, Kevin			
	7,024,214	04-2006	Loveland			
	7,493,130	02-2009	Loveland			
	US 2001/0048728 A1	12-2001	Peng			
	US 2001/0054115 A1	12-2001	Ferguson, et al.			
	US 2002/0068552 A1	06-2002	Siemens, Gerhard			
	US 2002/0197984 A1	12-2002	Monin et al.			
	US 2003/0036398 A1	02-2003	Asakawa, Stuart D.			
	US 2003/0119524 A1	06-2003	Carlsson, Hans			
	US 2003/0125057 A1	07-2003	Pesola, Troy Raymond			
	US 2003/0125057 A1	07-2003	Pesola, Troy Raymond			
	US 2003/0126327 A1	07-2003	Pesola et al.			

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	2000-155710	06-2000	JAPAN				
	2001-202319	07-2001	JAPAN				
	2001-274841	10-2001	JAPAN				
	2002-055864	02-2002	JAPAN				

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

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FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 312878.01	Application Number: 11/171850
	Applicant: Limont et al.	
	Filing Date: 06/30/05	Group Art Unit: 2431

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
		Box, Donald F., et al "Adaptive – An Object-Oriented Framework for Flexible and Adaptive Communication Protocols" IFIP Conference Online, December 1992, URL: Http://www.cs.wustl.edu/schmidt/PDF/HPN-93.pdf
		Kuroda, Masahiro, et al. "A Study of Autonomous Data Coherency Protocol for Mobile Divices" Computer Communication and Networks, 1999. Proceedings Eight International Conference, Boston, MA Oct 11-13, 1999.
		U.S. Non-Final Office Action mailed August 25, 2004, in U.S. Application No. 10/082,918.
		Response to U.S. Non-Final Office Action mailed August 25, 2004, in U.S. Application No. 10/082,918 filed November 22, 2004.
		U.S. Non-Final Office Action mailed June 17, 2005, in U.S. Application No. 10/082,918.
		Response to U.S. Non-Final Office Action mailed June 17, 2005, in U.S. Application No. 10/082,918 filed September 2, 2005.
		Notice of Allowance mailed November 15, 2005, in U.S. Application No. 10/082,918.
		U.S. Non-Final Office Action mailed March 4, 2008, in U.S. Application No. 11/340,346.
		Response to Non-Final Office Action mailed March 4, 2008, in U.S. Application No. 11/340,346 filed June 4, 2008.
		Notice of Allowance mailed November 6, 2008, in U.S. Application No. 11/340,346.
		European Communication mailed September 13, 2005 in Application No. 03 003 290.8.
		Response to European Communication mailed September 13, 2005 in Application No. 03 003 290.8, filed March 22, 2006.
		European Search Report dated February 2, 2005 in Application No. 03 003 290.8.
		Japanese Notice of Rejection mailed January 15, 2010 in Japanese Patent Application No. 2009-149011.
		Response to Japanese Notice of Rejection mailed January 15, 2010 in Japanese Patent Application No. 2009-149011, filed April 13, 2010.
		Japanese Notice of Allowance mailed May 28, 2010 in Japanese Patent Application No. 2009-149011
		Japanese Official Notice of Rejection mailed October 31, 2008, in Japanese Patent Application No. 2003-022799.
		Response to Japanese Official Notice of Rejection mailed October 31, 2008, in Japanese Patent Application No. 2003-022799, filed January 30, 2009.
		Japanese Official Notice of Rejection mailed March 24, 2009 in Japanese Patent Application No. 2003-022799.
		Response to Japanese Official Notice of Rejection mailed March 24, 2009 in Japanese Patent Application No. 2003-022799, filed June 23, 2009.
		Japanese Notice of Allowance mailed August 14, 2009 in Japanese Patent Application No. 2003-022799.

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: Limont et al.	Attorney Docket No.: 312878.01
Application No.: 11/171,850	Group Art Unit: 2431
Filed: 6-30-2005	Confirmation Number: 5452
Customer No.: 22971	Examiner: Su, Sarah

Title: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

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

STATEMENT FILED PURSUANT TO
THE DUTY OF DISCLOSURE UNDER 37 C.F.R. §§ 1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§ 1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

Remarks:

The Applicant hereby makes of record in the above-identified application the information listed on the attached Form 1449. The order of presentation of the references should not be construed as an indication of the importance of the references. Documents cited on the attached Form 1449 are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;

2. The enclosed Form 1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;

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3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. § 102.

Notwithstanding any statement by the Applicant, the Applicant urges the Examiner to form his own conclusion regarding the relevance of the cited information. An early and favorable action is hereby requested.

Respectfully submitted,

Date: December 20, 2010

By: /Sung T. Kim/

Atty: Sung T. Kim
Reg. No.: 45,398
Direct telephone: (703) 647-6574
Microsoft Corporation
One Microsoft Way
Redmond WA 98052-6399

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CERTIFICATE OF MAILING OR TRANSMISSION
(Under 37 CFR § 1.8(a)) or ELECTRONIC FILING

I hereby certify that this correspondence is being electronically deposited with the USPTO via EFS-Web on the date shown below:

December 20, 2010	/Eric Matt/
Date	Eric Matt

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PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-155710
(43)Date of publication of application : 06.06.2000

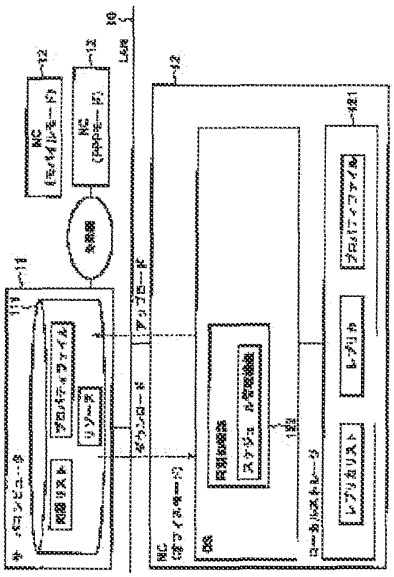
(51)Int.Cl. G06F 12/00
G06F 13/00
G06F 15/00

(21)Application number : 10-331141
(22)Date of filing : 20.11.1998

(71)Applicant : TOSHIBA CORP
(72)Inventor : TATSUMI MORIKATSU

(54) NETWORK COMPUTER AND SYNCHRONOUS PROCESSING METHOD OF SAME NETWORK COMPUTER

(57)Abstract:
PROBLEM TO BE SOLVED: To shorten the time needed for synchronous processing and to effectively use network resources by synchronous processes suitable to the characteristics of individual resources, downloaded from a server to a network computer, by the resources.
SOLUTION: The network computer 12 can set, for example, a log-in time, a log-out time, dial-up remote connection, its disconnection time, and further schedules showing what timing a synchronous process is performed in by the individual resources in a property file. A synchronous process part 122 performs only the synchronous processes of resources meeting conditions by matching the schedules of the resources on the basis of a current system action while referring the property file. The synchronous processes can be performed by the resources according to the schedules suitable to the characteristics of the resources, and then while the time needed for the synchronous processes can be shortened, the network resources can effectively be used.



2010/01/15

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-055864
(43)Date of publication of application : 20.02.2002

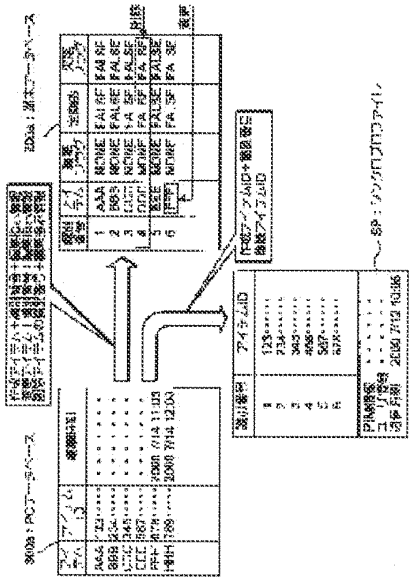
(51)Int.Cl. G06F 12/00
G06F 15/02

(21)Application number : 2000-241687
(22)Date of filing : 09.08.2000

(71)Applicant : SEIKO EPSON CORP
(72)Inventor : HAYAKAWA MOTOMU
NEHASHI ISAO
KAI MASARU

(54) DATA UPDATING METHOD AND INFORMATION PROCESSOR

(57)Abstract:
PROBLEM TO BE SOLVED: To suppress troublesomeness of data update processing of application data shared by data bases between two information processors.
SOLUTION: When the editing contents of the application data stored into a PC data base 300a executed on the PC side are to be reflected on a terminal data base 200a on the side of a portable information terminal, an item edited after completion of the previous data update is detected by a PC by referring to a synchronous profile SP in which an item ID, an identification number and communication time information at the time of the previous data update are stored.



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PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-202319
(43)Date of publication of application : 27.07.2001

(51)Int.Cl. G06F 13/00
G06F 9/445

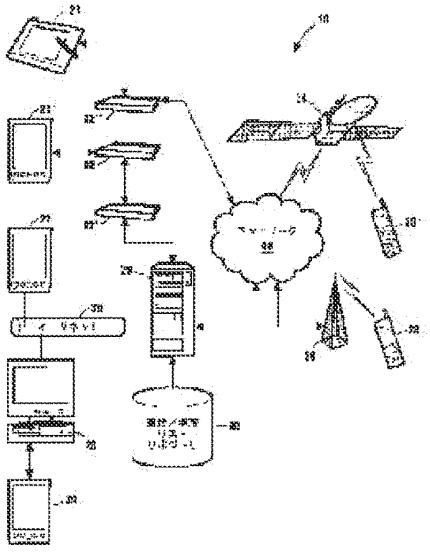
(21)Application number : 2000-353928
(22)Date of filing : 21.11.2000

(30)Priority
Priority number : 1999 451475 Priority date : 30.11.1999 Priority country : US

(71)Applicant : INTERNATL BUSINESS MACH CORP <IBM>
(72)Inventor : HAYES KENT F JR

(54) METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR CONTROLLING APPLICATION/PREFERENCE OF PERVASIVE COMPUTING DEVICE

(57)Abstract:
PROBLEM TO BE SOLVED: To automatically purvey an application and/or preference for pervasive computing system even without individually selecting it by a user.
SOLUTION: An environment list related to a pervasive computing system (such as PDA 22, for example,) is defined and an information item to be purveyed to the PDA 22 by a data processing system (such as server 20, for example), is related with an environment on the environment list so that the PDA 22 can be synchronized with the server 20. The PDA 22 acquires a user entry for selecting one environment and reports the selected environment to the server 20. In response to the notice of the selected environment, the server 20 purveys the information item related to the selected environment to the PDA 22.



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Page 000076

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-274841
(43)Date of publication of application : 05.10.2001

(51)Int.Cl. H04L 12/58
G06F 13/00

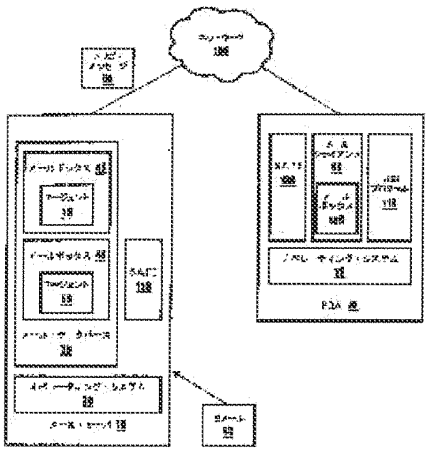
(21)Application number : 2001-043585
(22)Date of filing : 20.02.2001

(71)Applicant : INTERNATL BUSINESS MACH CORP <IBM>
(72)Inventor : INNES BRIAN

(30)Priority
Priority number : 2000 200004327 Priority date : 24.02.2000 Priority country : GB

(54) DATABASE SYNCHRONIZATION FOR PORTABLE COMPUTING DEVICE

(57)Abstract:
PROBLEM TO BE SOLVED: To perform database synchronization of a server start between a mail server 10 and a client on a portable computing device 70.
SOLUTION: Mailboxes 40 and 40A are offered to both the mail server and the client. When the mail server receives a message to a user, the message is stored in the server mailboxes. Next, the mail server starts a link to the client and prompts the client to dial to the mail server in order to synchronize the local copy of the mail boxes with a server copy. When the mail server receives a new mail in this method, the new mail is automatically transferred to a client device.



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Electronic Patent Application Fee Transmittal

Application Number:	11171850
Filing Date:	30-Jun-2005
Title of Invention:	ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David P. Limont
Filer:	James Richard Banowsky/Eric Matt
Attorney Docket Number:	312878.01
Filed as Large Entity	

Utility under 35 USC 111(a) Filing Fees

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Request for continued examination	1801	1	810	810
		Total in USD ($)		**810**

Electronic Acknowledgement Receipt	
EFS ID:	9079033
Application Number:	11171850
International Application Number:	
Confirmation Number:	5452
Title of Invention:	ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES
First Named Inventor/Applicant Name:	David P. Limont
Customer Number:	22971
Filer:	James Richard Banowsky/Eric Matt
Filer Authorized By:	James Richard Banowsky
Attorney Docket Number:	312878.01
Receipt Date:	20-DEC-2010
Filing Date:	30-JUN-2005
Time Stamp:	19:14:32
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$810
RAM confirmation Number	6746
Deposit Account	500463
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)	

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Continued Examination (RCE)	RCE_312878-01.pdf	697846 0e20cb9a471e5c4ecf77ea924a5ab3c941ea1685	no	3
Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Filed (SB/08)	IDS_1449.pdf	103255 9f0d4c5036bbb9346e880c0b3dc2e9e319d059ab	no	2
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
3	Transmittal Letter	312878-01-IDS-Cover-Sheet.pdf	68846 f379be2b799d0f13868fa03b1705339c0e30741c	no	3
Warnings:					
Information:					
4	NPL Documents	Box_AdaptiveAnObject_uspto.pdf	324096 9908b45e2a5e7a1c12e1e593ce8efc193be2f3a4	no	14
Warnings:					
Information:					
5	NPL Documents	Kuroda_AStudyofAutomonous.pdf	669960 fcd1e8a43ab2d62e48999fe6d6c965a1f021f50b	no	9
Warnings:					
Information:					
6	Foreign Reference	2003_022799_NOA_081409.pdf	79627 b47d707dd8393613f7ba3f984a6bea5139e6aa18	no	6
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Information:					
7	Foreign Reference	2003_022799_NoticeOfRejection_032409.pdf	479919 3b90c6eb1e254783a858798cb79ce16e7bf31835	no	13
Warnings:					
Information:					

8	Foreign Reference	2003_022799_NoticeOfRejection_103108.pdf	402741 7196a1fa183ddfb3e8da61f10b5b83a5db9d462c	no	9
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Information:					
9	Foreign Reference	2003_022799_ResponseToRejection_013009.pdf	725503 7805cf6a97d577da08f2e389ed640241b4900c67	no	14
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Information:					
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12	Foreign Reference	2009_149011_NoticeOfRejection.pdf	107788 7de4d99b882510d0068f8064081bcdd9bfb687e0	no	4
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Information:					
13	Foreign Reference	2009_149011_ResponseToRejection.pdf	292782 65f5a7be156fd161e6d67c4a6845c2cbf9860213	no	8
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Information:					
15	Foreign Reference	03003290_8_ReplyToEPComm.pdf	599356 083c90024c6436d59579d5d914c495627a7d76e4	no	16
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Information:					
16	NPL Documents	10_082918_NFOA_061705.pdf	1196654 ddc9e541045802411cf4395f3f26ef8a3c8c3639	no	36
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Information:					

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Information:					
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Warnings:					
Information:					
19	NPL Documents	10_082918_ResponseToNFOA_090205.pdf	987354 58ab5fb926697729fe964900c4b271866e98baf2	no	24
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Information:					
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Warnings:					
Information:					
21	NPL Documents	11_340346_NFOA_030408.pdf	172286 73c418cc07fe5ff7e9696793df0abd6b97471f67	no	5
Warnings:					
Information:					
22	NPL Documents	11_340346_NOA_110608.pdf	328933 bb1aef81c981db5baadcd2a50456c6d14657459b	no	7
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Information:					
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25	Foreign Reference	55864_uspto.pdf	862134 2e542cd196d871c498b0e1a8ec2d20d057ea3e5a	no	1
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Information:					

26	Foreign Reference	202319-uspto.pdf	973293 117e73ac2cea86bec7295697a45471e07d82f75b	no	1
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Information:					
27	Foreign Reference	274841_uspto.pdf	849160 98bfc6ef260756c387ff497b2a3a933d188ea431	no	1
Warnings:					
Information:					
28	Fee Worksheet (PTO-875)	fee-info.pdf	30312 256ecc5f7992d21544d9460e43f79cd0f84f223e	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	14251462	

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

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

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

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

Doc code: RCEX
Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	11/171,850	Filing Date	2005-06-30	Docket Number (if applicable)	312878.01	Art Unit	2431
First Named Inventor	David P. Limont			Examiner Name	SU, SARAH		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

- ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- ☐ Other _____

☒ Enclosed

- ☐ Amendment/Reply
- ☒ Information Disclosure Statement (IDS)
- ☐ Affidavit(s)/ Declaration(s)
- ☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____ (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

☒ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**
The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 500463

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/Sung T. Kim/	Date (YYYY-MM-DD)	2010-12-20
Name	Sung T. Kim	Registration Number	45398

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

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

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Privacy Act Statement

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

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

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

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Petitioner's Exhibit 1013
Page 000087

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

22971 7590 09/20/2010

MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052-6399

EXAMINER	
SU, SARAH	
ART UNIT	PAPER NUMBER
2431	

DATE MAILED: 09/20/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/171,850	06/30/2005	David P. Limont	312878.01	5452

TITLE OF INVENTION: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$300	$0	$1810	12/20/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

IPR2024-00809
Petitioner's Exhibit 1013
Page 000088

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

22971 7590 09/20/2010

MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052-6399

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)

(Signature)

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/171,850	06/30/2005	David P. Limont	312878.01	5452

TITLE OF INVENTION: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	$1510	$300	$0	$1810	12/20/2010

EXAMINER	ART UNIT	CLASS-SUBCLASS
SU, SARAH	2431	726-003000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,

(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. The following fee(s) are submitted:

❑ Issue Fee

❑ Publication Fee (No small entity discount permitted)

❑ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**

❑ A check is enclosed.

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

❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)

❑ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

❑ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/171,850	06/30/2005	David P. Limont	312878.01	5452

22971 7590 09/20/2010

MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052-6399

EXAMINER	
SU, SARAH	
ART UNIT	PAPER NUMBER
2431	

DATE MAILED: 09/20/2010

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 906 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 906 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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Notice of Allowability	Application No.	Applicant(s)	
	11/171,850	LIMONT ET AL.	
	Examiner	Art Unit	
	Sarah Su	2431	

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *amendment filed 28 June 2010*.

2. ☒ The allowed claim(s) is/are *1-4, 6-9, 12-20*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date *9/3/10* .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

/Sarah Su/
Examiner, Art Unit 2431

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Examiner-Initiated Interview Summary	Application No.	Applicant(s)	
	11/171,850	LIMONT ET AL.	
	Examiner	Art Unit	
	Sarah Su	2431	

All Participants:

(1) *Sarah Su*.

(2) *Sung Kim (45,398)*.

Status of Application: _____

(3) _____.

(4) _____.

Date of Interview: *3 September 2010*

Time: *11:00 AM*

Type of Interview:
☒ Telephonic
☐ Video Conference
☐ Personal (Copy given to: ☐ Applicant ☐ Applicant's representative)

Exhibit Shown or Demonstrated: ☐ Yes ☒ No
If Yes, provide a brief description: .

Part I.

Rejection(s) discussed:
none

Claims discussed:
Claim 20 was discussed.

Prior art documents discussed:
none

Part II.

SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:
The applicant's representative has authorized the following examiner's amendment:
In claim 20, line 5: after "storage media" insert –not consisting of a propagating data signal,–.

Part III.

☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.
☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

/Sarah Su/
Examiner, Art Unit 2431

(Applicant/Applicant's Representative Signature – if appropriate)

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NOTICE OF ALLOWANCE

1. Amendment C, received on 28 June 2010, has been entered into record. In this amendment, claims 1, 9, and 20 have been amended.

2. Claims 1-4, 6-9, and 12-20 are presented for examination.

Response to Arguments

3. Applicant's arguments with respect to claims 1-4, 6-9, and 12-20 have been fully considered and are persuasive. The rejection of 12 April 2010 has been withdrawn.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Sung Kim on 3 September 2010.

The application has been amended as follows:

In claim 20, line 5: after "storage media" insert –not consisting of a propagating signal,–.

Allowable Subject Matter

5. Claims 1-4, 6-9, and 12-20 are allowed.

6. The following is an examiner's statement of reasons for allowance:

Claim 1 discloses of "receiving at the computer system a sync request from the mobile device, the sync request requesting that the mobile device be permitted to access the data maintained by the computer system in order to sync data between the mobile device and the computer system, the sync request indicating a current mobile device configuration of the mobile device and including a configuration version corresponding to the current mobile device configuration, the data maintained by the computer system comprising electronic mail data" and "in response to receiving the indication that the mobile device is configured in accordance with the sent device configuration settings, permitting the mobile device to access the maintained data using the sync request in order to sync data between the mobile device and the computer system." These features, in combination with the other limitations in the claims, are not anticipated by, nor made obvious over, the prior art of record.

Claims 9 and 20 disclose of "receiving at the computer system a data command from a mobile device, the data command including a policy version and a sync request to access data maintained at the computer system in order to sync data between the mobile device and the computer system, the policy version representing current policy settings at the mobile device, the data maintained at the computer system comprising electronic mail data" and "in response to the mobile device receiving the sent updated policy settings, receiving at the computer system another sync request along with the updated policy version from the mobile device, the another sync request requesting that the mobile device be permitted to access the maintained data in order to sync data

between the mobile device and the computer system, the updated policy version indicating that the mobile device is configured in accordance with the updated policy settings." These features, in combination with the other limitations in the claims, are not anticipated by, nor made obvious over, the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Prior Art Made of Record

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Fornari (US Patent 7,689,713 B2) discloses a system and method for server alerted synchronization.

b. Herzog et al. (US Patent 7,676,573 B2) discloses a system and method for node monitor client cache synchronization.

c. Marl et al. (US 2003/0126236 A1) discloses a system and method for configuration and management for mobile and embedded devices.

d. Mittal et al. (US Patent 7,734,737 B2) discloses a system and method for device management and configuration.

e. Oommen (US 2006/0069743 A1) discloses a system and method for managing mobile devices and services.

f. Sapp et al. (US 2010/0115582 A1) discloses a system and method for mediating connections between policy source servers, corporate repositories, and mobile devices.

g. Tian et al. (US 2009/0144434 A1) discloses a system and method for capability negotiation and device synchronization.

h. Zhao et al. (US 2009/0271845 A1) discloses a system and method for initiating session.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sarah Su whose telephone number is (571) 270-3835. The examiner can normally be reached on Monday through Friday 7:30AM-5:00PM EST..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Korzuch can be reached on (571) 272-7589. 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.

/William R. Korzuch/
Supervisory Patent Examiner, Art Unit 2431

/Sarah Su/
Examiner, Art Unit 2431

Notice of References Cited	Application/Control No. 11/171,850	Applicant(s)/Patent Under Reexamination LIMONT ET AL.	
	Examiner Sarah Su	Art Unit 2431	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2003/0126236 A1	07-2003	Marl et al.	709/220
*	B	US-2006/0069743 A1	03-2006	Oommen, Paul	709/217
*	C	US-2009/0144434 A1	06-2009	Tian et al.	709/228
*	D	US-2009/0271845 A1	10-2009	Zhao et al.	726/3
*	E	US-7,689,713 B2	03-2010	Fornari, Stefano	709/238
*	F	US-7,676,573 B2	03-2010	Herzog et al.	709/224
*	G	US-2010/0115582 A1	05-2010	Sapp et al.	726/1
*	H	US-7,734,737 B2	06-2010	Mittal et al.	709/220
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
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	Examiner	**Art Unit**
	Sarah Su	2431

✓	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	02/20/2009	10/29/2009	03/30/2010	09/03/2010					
1	1	✓	✓	✓	=					
2	2	✓	✓	✓	=					
3	3	✓	✓	✓	=					
4	4	✓	✓	✓	=					
	5	✓	-	-	-					
5	6	✓	✓	✓	=					
6	7	✓	✓	✓	=					
7	8	✓	✓	✓	=					
8	9	✓	✓	✓	=					
	10	✓	✓	-	-					
	11	✓	-	-	-					
9	12	✓	✓	✓	=					
10	13	✓	✓	✓	=					
11	14	✓	✓	✓	=					
12	15	✓	✓	✓	=					
13	16	✓	✓	✓	=					
14	17	✓	✓	✓	=					
15	18	✓	✓	✓	=					
16	19	✓	✓	✓	=					
17	20	✓	✓	✓	=					

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And	synchronize or sync	Full Text
And	email or electronic mail or e-mail	Full Text
And		Title

Search

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- Multiplex Communications
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Page 000100

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1. A user-centric network communication broker for multimedia collaborative computing
Chi Zhang; S Masoud Sadjadi; Weixiang Sun; Raju Rangaswami; Yi Deng.
Multimedia Tools and Applications; Dordrecht (1380-7501)
Nov 2010. Vol.50,Iss.2;p.335
Source: ProQuest Computing
Show Abstract
STIC Full Text Retrieval Options

2. Foundational Theory for Understanding Policy Routing Dynamics
Karim Mattar; Samuel Epstein; Ibrahim Matta.
2009.
Source: CiteSeer.IST
Show Abstract

3. Data aggregation in wireless sensor networks.
Massad.Y.E; Goyeneche.M; Astrain.J.J; Villadangos.J.
2008 3rd International Conference on Information and Communication Technologies: Fr Applications (1424417511)
20080000.
Source: Dialog Datastar Ei Compendex
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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	15256	(709/217,220,221,222).ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/09/03 12:08
L2	130	(709/217,220,221,222).ccls. and (electronic mail or email or e-mail) with (sync or synchroniz$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/09/03 12:08
L3	31	(709/217,220,221,222).ccls. and (electronic mail or email or e-mail) with (sync or synchroniz$5) same (policy or configur$5 or setting)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/09/03 12:09
S1	448	(electronic mail or email or e-mail) with (synchroniz$5 or sync) with (mobile or iphone or ipad or blackberry or laptop or netbook)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/08/31 11:51
S2	25	(electronic mail or email or e-mail) with (synchroniz$5 or sync) with (mobile or iphone or ipad or blackberry or laptop or netbook) with (setting or configuration or config or policy)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/08/31 11:51
S3	5	(726/1,2,3).ccls. and (electronic mail or email or e-mail) with (synchroniz$5 or sync) with (mobile or iphone or ipad or blackberry or laptop or netbook)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/08/31 15:51
S4	25	(726/1,2,3).ccls. and (electronic mail or email or e-mail) with (synchroniz$5 or sync)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/08/31 15:53
S5	73846	(device management or dm or open mobile alliance or oma or iota-dm or iota)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/09/01 09:04
S6	4778	(device management or dm or open mobile alliance or oma or iota-dm or iota) with (settings or configur$5 or config)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/09/01 09:05
S7	396	(open mobile alliance or oma or iota-dm or iota) with (settings or configur$5 or config)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/09/01 09:05

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S8	14	(open mobile alliance or oma or iota-dm or iota) with (settings or configur$5 or config) with (sync or synchroniz$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/09/01 09:07
S9	136	(device management or dm or open mobile alliance or oma or iota-dm or iota) with (settings or configur$5 or config) with (sync or synchroniz$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/09/01 09:12
S10	1479	(settings or configur$5 or config) with (sync or synchroniz$5) with request	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/09/02 13:59
S11	4977	(726/1,3,6).ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/09/02 14:11
S12	26	(726/1,3,6).ccls. and (electronic mail or email or e-mail) with (sync or synchroniz$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/09/02 14:12

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	5271	(726/1,3,6).ccls.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/09/03 12:26
L7	116	(726/1,3,6).ccls. and (policy or configur$5 or setting) and (sync or synchroniz$5).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/09/03 12:27
L8	71	(726/1,3,6).ccls. and (policy or configur$5 or setting).clm. and (sync or synchroniz$5).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/09/03 12:27
L9	5	(726/1,3,6).ccls. and (policy or configur$5 or setting).clm. and (sync or synchroniz$5).clm. and (electronic mail or email or e-mail).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/09/03 12:27
L10	15469	(709/217,220,221,222).ccls.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/09/03 12:28
L11	683	(709/217,220,221,222).ccls. and (sync or synchroniz$5).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/09/03 12:28
L12	54	(709/217,220,221,222).ccls. and (sync or synchroniz$5).clm. and (electronic mail or email or e-mail).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/09/03 12:29

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L13	24	(709/217,220,221,222).ccls. and (sync or synchroniz$5).clm. and (electronic mail or email or e-mail).clm. and (policy or configur$5 or setting).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/09/03 12:29
L14	1	(709/217,220,221,222).ccls. and (sync or synchroniz$5).clm. and (electronic mail or email or e-mail).clm. and policy.clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/09/03 12:30

9/3/2010 12:40:41 PM
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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11171850	LIMONT ET AL.
	Examiner	Art Unit
	Sarah Su	2431

SEARCHED			
Class	Subclass	Date	Examiner
726	3,6	10/29/09	SS
726	1, 3, 6	9//102	SS
709	217, 220, 221, 222	9/3/10	SS

SEARCH NOTES		
Search Notes	Date	Examiner
PLUS Search	2/19/09	SS
Inventor Search	2/19/09	SS
EAST Search (see attached)	2/20/09	SS
EAST Search (see attached)	10/29/09	SS
EAST Search (see attached)	3/30/10	SS
Consulted with Benjamin Lanier, Primary Examiner AU 2432	9/1/10	SS
EAST Search (see attached)	9/3/10	SS
Interference Search	9/3/10	SS
NPL Search	9/3/10	SS

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner
726	1, 3, 6	9/3/10	SS
709	217, 220, 221, 222	9/3/10	SS

Issue Classification

Application/Control No.	Applicant(s)/Patent Under Reexamination
11171850	LIMONT ET AL.
Examiner	**Art Unit**
Sarah Su	2431

ORIGINAL		INTERNATIONAL CLASSIFICATION									
CLASS	SUBCLASS	CLAIMED					NON-CLAIMED				
726	3	G	0	6	F	7 / 04 (2006.01.01)	G	0	6	F	15 / 16 (2006.01.01)
		G	0	6	F	17 / 00 (2006.01.01)	G	0	6	F	15 / 177 (2006.01.01)

CROSS REFERENCE(S)					
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
726	1	6			
709	217	220	221	222	

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

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	14	17												
2	2	15	18												
3	3	16	19												
4	4	17	20												
	5														
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/Sarah Su/ Examiner.Art Unit 2431	9/3/10	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	17	
/WILLIAM R KORZUCH/ Supervisory Patent Examiner.Art Unit 2431	09/08/2010	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	4

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: David P. Limont
Application No.: 11/171,850
Filed: June 30, 2005
Customer No.: 22971
Attorney Docket No.: 312878.01
Group Art Unit: 2431
Examiner: Sarah Su
Confirmation Number: 5452
Title: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

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

AMENDMENT

Sir:

This communication is responsive to the non-final Office Action mailed April 12, 2010. Please amend the present application as follows:

Amendments to the Claims are reflected in the listing of claims that begins on page 2 of this paper.

Remarks begin on page 9 of this paper.

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application. Applicants have submitted a new complete claim set showing any marked up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Listing of Claims:

1. (Currently Amended) At a computer system that maintains data accessible to mobile devices, a method for enforcing an appropriate mobile device configuration prior to permitting a mobile device to access the maintained data, the method comprising:

receiving at the computer system a sync request from the mobile device, the sync request requesting that the mobile device be permitted to access the data maintained by the computer system in order to sync data between the mobile device and the computer system, the sync request indicating a current mobile device configuration of the mobile device and including a configuration version corresponding to the current mobile device configuration, the data maintained by the computer system comprising electronic mail data;

determining that the current mobile device configuration is not appropriate for accessing the maintained data, wherein the act of determining that the current mobile device configuration is not appropriate for accessing the maintained data comprises comparing the configuration version included in the received sync request to one or more configuration versions stored at the computer system representing appropriate configurations for accessing the maintained data;

sending device configuration settings to the mobile device, the device configuration settings representing a new mobile device configuration that is appropriate for accessing the maintained data;

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in response to the mobile device receiving the sent device configuration settings, receiving at the computer system an indication that the mobile device is configured in accordance with the sent device configuration settings~~subsequent to sending the device configuration settings to the mobile device~~; and

in response to receiving the indication that the mobile device is configured in accordance with the sent device configuration settings, permitting the mobile device to access the maintained data using the sync request in order to sync data between the mobile device and the computer system~~in response to receiving the indication that the mobile device is configured in accordance with the device configuration settings~~.

2. (Previously Presented) The method as recited in claim 1, wherein receiving the sync request from the mobile device comprises receiving a request that was sent in accordance with HTTP.

3. (Previously Presented) The method as recited in claim 1, wherein receiving the request from the mobile device comprises receiving a request for a Web page.

4. (Previously Presented) The method as recited in claim 1, wherein receiving the sync request from the mobile device comprises receiving a request from a mobile device selected from among a mobile telephone, a PDA, and a watch.

5. (Canceled)

6. (Previously Presented) The method as recited in claim 1, wherein sending device configuration settings to the mobile device comprises sending configuration settings that are designated to alter the current configuration of one or more of an operating system, an application program, hardware, allocated resources, a network interface, and wireless protocol

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settings, at the mobile device.

7. (Previously Presented) The method as recited in claim 1, wherein receiving the indication that the mobile device is configured in accordance with the device configuration settings comprises comparing a received configuration version to one or more configuration versions representing appropriate configurations for accessing the maintained data.

8. (Previously Presented) The method as recited in claim 1, further comprises:

notifying the mobile device that access to the maintained data has been permitted.

9. (Currently Amended) At a computer system that maintains data accessible to mobile devices, a method for enforcing mobile device access policies prior to permitting mobile device access to the maintained data, the method comprising:

receiving at the computer system a data command from a mobile device, the data command including a policy version and a sync request to access data maintained at the computer system in order to sync data between the mobile device and the computer system, the policy version representing current policy settings at the mobile device, the data maintained at the computer system comprising electronic mail data;

determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system, wherein determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises comparing the policy version included in the received data command to one or more policy versions stored at the computer system representing appropriate policy settings for accessing the maintained data;

notifying the mobile device that the current policy settings are not appropriate for accessing the maintained data;

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receiving a policy request from the mobile device, the policy request requesting policy settings that are appropriate for accessing the maintained data;

identifying updated policy settings that are appropriate for accessing the maintained data;

sending the updated policy settings along with a corresponding updated policy version to the mobile device, the updated policy version representing the updated policy settings;

in response to the mobile device receiving the sent updated policy settings, receiving at the computer system another[[a]] sync~~data~~ request along with the updated policy version from the mobile device, the another sync~~data~~ request requesting that the mobile device be permitted to access the maintained data in order to sync data between the mobile device and the computer system, the updated policy version indicating that the mobile device is configured in accordance with the updated policy settings; and

notifying the mobile device that access to the maintained data has been permitted.

10. (Canceled)

11. (Canceled)

12. (Previously Presented) The method as recited in claim 9, wherein determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises determining that the mobile device does not support policy settings.

13. (Previously Presented) The method as recited in claim 9, wherein determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises determining that the mobile device does not support PIN lock.

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14. (Previously Presented) The method as recited in claim 9, wherein receiving the policy request from the mobile device comprises receiving a policy request for policy settings that are appropriate for accessing electronic mail data.

15. (Previously Presented) The method as recited in claim 9, wherein receiving the policy request from the mobile device comprises receiving a policy request from the mobile device selected from among a mobile telephone, a PDA, and a watch.

16. (Previously Presented) The method as recited in claim 9, wherein identifying the updated policy settings that are appropriate for accessing the maintained data comprises identifying one or more of PIN lock settings, storage wipe settings, periodic enforcement settings, and policy exceptions.

17. (Previously Presented) The method as recited in claim 9, wherein sending the updated policy settings along with the corresponding updated policy version to the mobile device comprises sending one or more of PIN lock settings, storage wipe settings, periodic enforcement settings, and policy exceptions.

18. (Previously Presented) The method as recited in claim 9, wherein receiving the data request along with the updated policy version from the mobile device comprises receiving a policy version indicating that a user of the mobile device is at least temporarily excepted from policy compliance.

19. (Previously Presented) The method as recited in claim 9, further comprising:

initiating a remote storage wipe of the mobile device.

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20. (Currently amended) A computer-program product for use at a computer system that maintains data accessible to mobile devices, the computer program product for implementing a method for enforcing mobile device access policies prior to permitting mobile device access to the maintained data, the computer program product comprising one or more computer-readable storage media having stored thereon computer-executable instructions that, when executed by a processor, cause the computer system to perform the following:

receive at the computer system a data command from a mobile device, the data command including a policy version and a sync request to access data maintained at the computer system in order to sync data between the mobile device and the computer system, the policy version representing current policy settings at the mobile device, the data maintained at the computer system comprising electronic mail data;

determine that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system, wherein determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises an act of comparing the policy version included in the received data command to one or more policy versions stored at the computer system representing appropriate policy settings for accessing the maintained data;

notify the mobile device that the current policy settings are not appropriate for accessing the maintained data;

receive a policy request from the mobile device, the policy request requesting policy settings that are appropriate for accessing the maintained data;

identify updated policy settings that are appropriate for accessing the maintained data;

send the updated policy settings along with a corresponding updated policy version to the mobile device, the updated policy version representing the updated policy settings;

in response to the mobile device receiving the sent updated policy settings, receive at the computer system another[[a]] sync~~data~~ request along with the updated policy version from the

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mobile device, the another sync~~data~~ request requesting that the mobile device be permitted to access the maintained data in order to sync data between the mobile device and the computer system, the updated policy version indicating that the mobile device is configured in accordance with the updated policy settings; and

notify the mobile device that access to the maintained data has been permitted.

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REMARKS

Reconsideration and allowance of the claims are requested in view of the above amendments and the following remarks. Claims 1, 9 and 20 have been amended. Support for the amendments may be found in the specification and claims as originally filed. For example, support for the claim amendments may be found in the present specification at least at paragraph 58 and Figures 2 and 4. No new matter has been added.

Upon entry of this amendment, claims 1-4, 6-9 and 12-20 are pending with claims 1, 9 and 20 being independent. Claims 5, 10 and 11 have been canceled without prejudice or disclaimer.

Applicants thank Examiner Su for the courtesies extended to applicants' representative, Sung Kim, during a personal interview conducted on June 16, 2010. The substance of the interview is incorporated in the following remarks.

1. Rejections Under 35 U.S.C. §103

A. Rejections Based on Albert et al., Wright et al. and Flanagin et al.

The Office Action rejects claims 1-4, 6-9, 12, 14-17 and 20 under 35 U.S.C. §103(a) as being unpatentable over Albert et al. (2003/0177389) in view of Wright et al. (2004/0123153) and further in view of Flanagin et al. (2003/0046434). Applicants respectfully traverse this rejection for at least the following reasons.

The Office Action on page 3 asserts that Albert et al. discloses the features of receiving an indication that the mobile device is configured in accordance with the device configuration settings subsequent to sending the device configuration settings to the mobile device (citing paragraph 96, lines 1-8), and permitting the mobile device to access the maintained data in response to receiving the indication that the mobile device is configured in accordance with the device configuration settings (citing paragraph 25, lines 11-13). Applicants disagree.

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Albert et al. discloses a process for modification of security settings in response to events. For example, Albert et al. recites (emphasis added):

> [0080] FIGS. 5A-B comprise a single flow chart illustrating detailed method steps of the operations of the present invention in automatically modifying security settings on a client device as it connects to various systems or networks from time to time . . .
>
> [0081] Initially, at step 501 the client security module installed on a client computer or device loads an initial security policy. This initial security policy may be a personal or a corporate security policy . . .
>
> [0082] After the client security module is installed and the initial security policy is loaded, at step 502 the client security module listens for notification of events from the firewall (e.g., attempts by the client device to connect to a server on the Internet or receipt of incoming packets from other machines) . . .
>
> [0083] As event notifications are received, at step 503 the client security module evaluates these events and determines whether or not to permit the requested access. As part of this process, the client security module loops through a series of policies (i.e., sets of rules of one or more security policies) to determine whether or not they are applicable to this particular event . . . A request to establish a VPN session in order to access a given corporate server may, for instance, cause the client security module to trigger a connection to the corporation's integrity server for purposes of evaluating whether appropriate security policies are active and in effect at the client device . . .
>
> [0084] If a given request for access triggers a connection to the integrity server, at step 504, a Secure Sockets Layer (SSL) connection to the integrity server is initiated . . . If the policy is not found locally, the client security module establishes a connection to the integrity server and transmits information about the user of the client device. This information may include domain name, user name, user password, or other desired information uniquely identifying a particular user. This information is provided so that the integrity server may determine the corporate security policy

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that is applicable to this particular user.

[0085] The integrity server receives a login communication including information about the identity of a particular user. In response, at step 505 the integrity server exchanges a predefined series of messages with the client security module. The client security module provides information identifying the version of the corporate security policy stored on the client device (i.e., the security policy associated with the corporate server(s) being accessed by this user) . . . The client security module also commences providing, at pre-selected intervals, a "heartbeat" message to the integrity server confirming that the client security module is operating on the client device and is enforcing required corporate security policies. Every few seconds the integrity server sends out a communication to connected client device(s) requesting a "heartbeat" response from the client security module on such client device(s) within a certain time period . . . If a client device does not respond within the specified time frame allowed or does not answer at all, this failure to respond could result from the deactivation of the client security module or perhaps because there is a connection problem . . .

. . .

[0096] The integrity server evaluates responses as compliant or non-compliant and may take certain actions when a client device is non-compliant, including denying access to non-compliant client devices . . .

[0097] At step 506, the integrity server evaluates the security policy information received from the client (e.g., by comparing the policy information received to the current corporate security policy). If the client device is not using the most current policy, the integrity server downloads the current corporate security policy to the client device. The client security module may then load this corporate policy as a local, active security policy on the client device. In the currently preferred embodiment, the policy is loaded into memory and is marked as an active policy. A copy of the policy is also stored locally in a database.

As indicated above, Albert et al. at most teaches an integrity server sending out a communication

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to connected client device(s) requesting a "heartbeat" response from the client security module on such client device(s) within a certain time period, and then evaluating the responses from client device(s) as being compliant or non-compliant with respect to the specified time period (see paragraphs 85 and 96). As discussed during the interview, Albert et al. clearly teaches that the evaluation of the heartbeat responses for compliance or non-compliance occurs prior to the integrity server downloading a current corporate security policy to a client device if the client device is not using the most current policy (see paragraphs 96 and 97). As a result, Albert et al. fails to teach or suggest the *specific steps* of sending device configuration settings to a mobile device representing a new mobile device configuration, and then in response to the mobile device receiving the sent device configuration settings, receiving at the computer system an indication that the mobile device is configured in accordance with the sent device configuration settings.

Examiner Su asserted during the interview that Albert et al. in paragraph 100 disclosed that additional heartbeat messages are also provided periodically to the integrity server *after* the integrity server downloaded a current corporate security policy to a client device in step 506 of paragraph 97. However, Albert et al. fails to teach or suggest that any subsequent heartbeat messages provided to the integrity server are specifically received by the integrity server in response to a client device receiving device configuration settings sent by the integrity server. Instead, as discussed above, Albert et al. at most may disclose that any heartbeat responses from client devices are received by the integrity server as a result of the integrity server sending out a communication to connected client devices requesting a "heartbeat" response within a certain time period (see paragraph 85).

Additionally, Examiner Su asserted during the interview that Albert et al. disclosed that the heartbeat responses sent by the client devices contained information including version, status and policy version (citing paragraphs 86-95). Based on this assertion, Examiner Su indicated that Albert et al. could be interpreted to teach that evaluation of the information contained in the

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heartbeat responses described in paragraphs 86-95 *occurred at the same time* as the evaluation of whether heartbeat responses were in compliance with the time period set by the integrity server. However, applicants submit that a fair reading of Albert et al. would necessarily indicate that evaluating whether the heartbeat responses are compliant or non-compliant with respect to a specified time frame (see paragraph 96) occurs separately and prior to evaluating the information described in paragraphs 86-95 that may be contained in the heartbeat responses (e.g., see paragraph 97, step 506). For example, Albert et al. recites the two evaluation steps in separate successive paragraphs (emphasis added):

> [0096] The integrity server evaluates responses as compliant or non-compliant and may take certain actions when a client device is non-compliant, including denying access to non-compliant client devices . . .
>
> [0097] At step 506, the integrity server evaluates the security policy information received from the client (e.g., by comparing the policy information received to the current corporate security policy). If the client device is not using the most current policy, the integrity server downloads the current corporate security policy to the client device . . .

As a result, Albert et al. fails to teach or suggest receiving heartbeat responses in response to a client device receiving device configuration settings sent by the integrity server.

Furthermore, Albert et al. discloses that after a current policy is applied to a device, the connection from the device to a particular network is allowed to proceed (see paragraph 25). However, Albert et al. fails to disclose or suggest at least the features of in response to receiving the indication that the mobile device is configured in accordance with the device configuration settings, permitting the mobile device to access the maintained data using the sync request in order to sync data between the mobile device and the computer system.

Wright et al. and Flanagin et al. fail to cure at least the defects in Albert et al. discussed above. For example, Wright et al. discloses a policy distribution module 234 that determines 328

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if security information (e.g. a policy or software) applicable to a mobile client device has been updated since the last status request. If not, the status request is ignored 325 or a no update message is sent 325. Responsive to a new policy, a new version, or new software being available that is applicable to the requesting client device, the policy distribution module 234 distributes 327 the updated security information to the mobile device over the network (e.g. Internet) 204 (see paragraph 128). Additionally, Flanagin et al. discloses a <Version> . . . </Version> tag pair that may be nested at a next XML level in a <Sync> . . . </Sync> tag pair. With the <Version> tag, two applications using the protocol can send to each other the version of the protocol that each application is using. The protocol does not require that the versions be similar; rather each application decides when, if, and how to proceed in the case of mismatched versions. Upon mismatched versions, an application may decide, for example, to use a prior version of the protocol when communicating with the other application (see paragraphs 40-49). However, neither Wright et al. nor Flanagin et al. are specifically cited by the Office Action as disclosing or suggesting the features discussed above.

As a result, Albert et al., Wright et al. and Flanagin et al. fail to teach or suggest at least the following elements of independent claim 1 as amended (emphasis added):

> 1. At a computer system that maintains data accessible to mobile devices, a method for enforcing an appropriate mobile device configuration prior to permitting a mobile device to access the maintained data, the method comprising:
>
> . . .
>
> sending device configuration settings to the mobile device, the device configuration settings representing a new mobile device configuration that is appropriate for accessing the maintained data;
>
> in response to the mobile device receiving the sent device configuration settings, receiving at the computer system an indication that the mobile device is configured in accordance with the sent device configuration settings; and
>
> in response to receiving the indication that the mobile device is configured in accordance with the sent device configuration settings, permitting the mobile device to access the maintained data using the sync request in order to sync data

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between the mobile device and the computer system.

For similar reasons, Albert et al., Wright et al. and Flanagin et al. fail to teach or suggest at least the following elements of independent claims 9 and 20 as amended, respectively (emphasis added):

> 9. At a computer system that maintains data accessible to mobile devices, a method for enforcing mobile device access policies prior to permitting mobile device access to the maintained data, the method comprising:
>
> . . .
>
> sending the updated policy settings along with a corresponding updated policy version to the mobile device, the updated policy version representing the updated policy settings;
>
> in response to the mobile device receiving the sent updated policy settings, receiving at the computer system another sync request along with the updated policy version from the mobile device, the another sync request requesting that the mobile device be permitted to access the maintained data in order to sync data between the mobile device and the computer system, the updated policy version indicating that the mobile device is configured in accordance with the updated policy settings; and
>
> notifying the mobile device that access to the maintained data has been permitted.

> 20. A computer-program product for use at a computer system that maintains data accessible to mobile devices, the computer program product for implementing a method for enforcing mobile device access policies prior to permitting mobile device access to the maintained data, the computer program product comprising one or more computer-readable storage media having stored thereon computer-executable instructions that, when executed by a processor, cause the computer system to perform the following:
>
> . . .
>
> send the updated policy settings along with a corresponding updated policy version to the mobile device, the updated policy version representing the updated policy settings;
>
> in response to the mobile device receiving the sent updated policy settings, receive at the computer system another sync

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request along with the updated policy version from the mobile device, the another sync request requesting that the mobile device be permitted to access the maintained data in order to sync data between the mobile device and the computer system, the updated policy version indicating that the mobile device is configured in accordance with the updated policy settings; and

notify the mobile device that access to the maintained data has been permitted.

Therefore, since Albert et al., Wright et al. and Flanagin et al., alone or in combination, fail to disclose or suggest each and every element of independent claims 1, 9 and 20, these claims are allowable over the cited references.

Claims 2-4 and 6-8 depend from claim 1. Claims 12 and 14-17 depend from claim 9. As discussed above, claims 1 and 9 are allowable. For at least this reason, and the additional features recited therein, claims 2-4, 6-8, 12 and 14-17 are also allowable.

Furthermore, as discussed during the interview, applicants submit that it is improper to combine the Flanagin et al. reference with the Albert et al. and Wright et al. references because the references teach away from their combination. MPEP 2145(X)(D)(2) states that it is improper to combine references where the references teach away from their combination (see *In re Grasselli*, 713 F.2d 731, 743, 218 USPQ 769, 779 (Fed. Cir. 1983). Additionally, MPEP 2143.01(II) states that the test for obviousness is what the combined teachings of the references would have suggested to one of ordinary skill in the art, and *all teachings* in the prior art must be considered to the extent that they are in analogous arts.

Albert et al. discloses (see paragraph 72; emphasis added):

> The remaining components of environment 300 are the integrity server 350 and the repositories 360. The integrity server 350 includes a repository (not shown) that stores security policies and related information for transmission to various client devices, such as the client device 310. The integrity server 350 typically stores multiple security policies applicable to a number of different individuals or groups. In response to an initial policy activation message or a subsequent heartbeat message from the client security

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> module 320, the integrity server 350 evaluates whether or not the client device 310 has a correct, up-to-date version of the applicable corporate security policy. As shown at FIG. 3, the repositories 360 represent local copies of several personal and corporate (or organizational) security policies resident on the client device 310. These repositories 360 are accessed and used by the client security module 320. In the event that the client device 310 does not have a local copy of the most current corporate security policy required for this VPN session, a download of the current corporate policy may be initiated from the integrity server 350 to the client device . . .

Wright et al. discloses (see paragraph 128; emphasis added):

> FIG. 3B illustrates a method for distributing a security policy by a server computer system for the protection of data accessible by a mobile device in accordance with an embodiment of the present invention . . . If the communication exchange is an authorized one, the policy distribution module 234 determines 328 if security information (e.g. a policy or software) applicable to the mobile client device has been updated since the last status request. If not, the status request is ignored 325 or a no update message is sent 325. Responsive to a new policy, a new version, or new software being available that is applicable to the requesting client device, the policy distribution module 234 distributes 327 the updated security information to the mobile device over the network (e.g. Internet) 204 . . .

Therefore, Albert et al. teaches that in the event that a client device does not have a local copy of the most current corporate security policy required for a VPN session, a download of the current corporate policy may be initiated from an integrity server to the client device. Similarly, Wright et al. teaches that if security information (e.g. a policy or software) applicable to a mobile client device has not been updated since a last status request, a current status request is ignored or a no update message is sent, or updated security information is distributed to the mobile device over a network.

However, in contrast to Albert et al. and Wright et al., Flanagin et al. discloses (see

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paragraph 49; emphasis added):

> Description: With this tag, two applications using the protocol can send to each other the version of the protocol that each application is using. The protocol does not require that the versions be similar; rather each application decides when, if, and how to proceed in the case of mismatched versions. Upon mismatched versions, an application may decide, for example, to use a prior version of the protocol when communicating with the other application.

Therefore, Flanagin et al. teaches that its system does not require that protocol versions be similar, and that upon mismatched versions an application may decide to use a prior version of the protocol when communicating with the other application. In contrast to Albert et al. and Wright et al., Flanagin et al. allows for synchronization when protocol versions are mismatched and does not require distributing or downloading an updated protocol version prior to synchronization.

As a result, when all of the teachings in the cited references are taken into consideration, it is clear that the Flanagin et al. reference teaches away from its combination with the Albert et al. and Wright et al. references. For at least this reason, applicants submit that it is improper to combine the Flanagin et al. reference with the Albert et al. and Wright et al. references.

For at least the reasons above, reconsideration and withdrawal of the rejection of claims 1-4, 6-9, 12, 14-17 and 20 under 35 U.S.C. §103(a) are respectfully requested.

B. Rejections Based on Albert et al., Wright et al., Flanagin et al. and Patanella

The Office Action rejects claim 13 under 35 U.S.C. §103(a) as being unpatentable over Albert et al., in view of Wright et al., in view of Flanagin et al., and further in view of Patanella (2004/0193907). Applicants respectfully traverse this rejection for at least the following reasons.

As discussed above, Albert et al., Wright et al. and Flanagin et al. fail to disclose or suggest each and every element of independent claim 9. Patanella fails to cure this defect.

The Office Action cites Patanella primarily for its alleged teaching that a security policy

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can be implemented by a corporation in accordance with standards such as ISO-17799, which require that best practices are met which address remote access vulnerabilities. One example might be that the policy requires two-factor authentication (such as a personal password as well as a SecureID token password) before allowing a remote connection to the corporate network (see paragraph 47). However, Patanella fails to disclose or suggest the features discussed above with respect to independent claim 9.

Therefore, since Albert et al., Wright et al., Flanagin et al. and Patanella, alone or in combination, fail to disclose or suggest each and every element of independent claim 9, this claim is allowable over the cited references.

Claim 13 depends from claim 9. As discussed above, claim 9 is allowable. For at least this reason, and the additional features recited therein, claim 13 is also allowable.

For at least the reasons above, reconsideration and withdrawal of the rejection of claim 13 under 35 U.S.C. §103(a) are respectfully requested.

C. Rejections Based on Albert et al., Wright et al., Flanagin et al. and Herrmann et al.

The Office Action rejects claim 18 under 35 U.S.C. §103(a) as being unpatentable over Albert et al., in view of Wright et al., in view of Flanagin et al., and further in view of Herrmann et al. (2003/0055994). Applicants respectfully traverse this rejection for at least the following reasons.

As discussed above, Albert et al., Wright et al. and Flanagin et al. fail to disclose or suggest each and every element of independent claim 9. Herrmann et al. fails to cure this defect.

The Office Action cites Herrmann et al. primarily for its alleged teaching that if a client is out of compliance, a restrictive policy is generally applied. A gateway server 350 may include one or more predefined policies that define what access is to be afforded to non-compliant clients. Access policies may be tailored for particular clients or groups and applied by the

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gateway server (see paragraph 79). However, Herrmann et al. fails to disclose or suggest the features discussed above with respect to independent claim 9.

Therefore, since Albert et al., Wright et al., Flanagin et al. and Herrmann et al., alone or in combination, fail to disclose or suggest each and every element of independent claim 9, this claim is allowable over the cited references.

Claim 18 depends from claim 9. As discussed above, claim 9 is allowable. For at least this reason, and the additional features recited therein, claim 18 is also allowable.

For at least the reasons above, reconsideration and withdrawal of the rejection of claim 18 under 35 U.S.C. §103(a) are respectfully requested.

D. Rejections Based on Albert et al., Wright et al., Flanagin et al. and Shahbazi

The Office Action rejects claim 19 under 35 U.S.C. §103(a) as being unpatentable over Albert et al., in view of Wright et al., in view of Flanagin et al., and further in view of Shahbazi (WO2004/021114A2). Applicants respectfully traverse this rejection for at least the following reasons.

As discussed above, Albert et al., Wright et al. and Flanagin et al. fail to disclose or suggest each and every element of independent claim 9. Shahbazi fails to cure this defect.

The Office Action cites Shahbazi primarily for its alleged teaching that if a computing node 102 is not authorized, a node security program 202 can lock the mobile device, for example, by transmitting a device security application to be executed at the unauthorized mobile device, wipe or erase data on the device, or require system administrator intervention (see pg. 13, lines 17-21). However, Shahbazi fails to disclose or suggest the features discussed above with respect to independent claim 9.

Therefore, since Albert et al., Wright et al., Flanagin et al. and Shahbazi, alone or in combination, fail to disclose or suggest each and every element of independent claim 9, this claim is allowable over the cited references.

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Claim 19 depends from claim 9. As discussed above, claim 9 is allowable. For at least this reason, and the additional features recited therein, claim 19 is also allowable.

For at least the reasons above, reconsideration and withdrawal of the rejection of claim 19 under 35 U.S.C. §103(a) are respectfully requested.

2. Conclusion

Accordingly, in view of the above amendment and remarks it is submitted that the claims are patentably distinct over the cited references and that all the rejections to the claims have been overcome. Reconsideration and reexamination of the present application is requested. Based on the foregoing, applicants respectfully request that the pending claims be allowed, and that a timely Notice of Allowance be issued in this case. If the Examiner believes, after this amendment, that the application is not in condition for allowance, the Examiner is requested to call the applicants' attorney at the telephone number listed below.

IPR2024-00809
Petitioner's Exhibit 1013
Page 000128

If this response is not considered timely filed and if a request for an extension of time is otherwise absent, applicants hereby request any necessary extension of time. If there is a fee occasioned by this response, including an extension fee that is not covered by an enclosed check please charge any deficiency to Deposit Account No. 50-0463.

Respectfully submitted,
Microsoft Corporation

Date: June 28, 2010

By: /Sung T. Kim/

Sung T. Kim, Reg. No.: 45,398
Attorney for Applicant
Direct telephone: (703) 647-6574
Microsoft Corporation
One Microsoft Way
Redmond WA 98052-6399

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being electronically deposited with the USPTO via EFS-Web on the date shown below:

June 28, 2010
Date

/Eric Matt/
Eric Matt

IPR2024-00809
Petitioner's Exhibit 1013
Page 000129

Electronic Acknowledgement Receipt	
EFS ID:	7905413
Application Number:	11171850
International Application Number:	
Confirmation Number:	5452
Title of Invention:	Enforcing device settings for mobile devices
First Named Inventor/Applicant Name:	David P. Limont
Customer Number:	22971
Filer:	David Bartley Eppenauer/Eric Matt
Filer Authorized By:	David Bartley Eppenauer
Attorney Docket Number:	312878.01
Receipt Date:	28-JUN-2010
Filing Date:	30-JUN-2005
Time Stamp:	15:16:15
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		312878_01_NFOA_resp_filed_6_28_10.pdf	158040 75db7a27b2314d028260423335543b5a9ea1a00a0	yes	22

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Claims	2	8
	Applicant Arguments/Remarks Made in an Amendment	9	22
Warnings:			
Information:			
	Total Files Size (in bytes):	158040	

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

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

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

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

PTO/SB/06 (07-06)
Approved for use through 1/31/2007. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
11/171,850	06/30/2005	

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

APPLICATION AS AMENDED – PART II

AMENDMENT	06/28/2010	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 17	Minus	** 20	= 0	X $ =		OR	X $52=	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $ =		OR	X $220=	0
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	0

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

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

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

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

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

Legal Instrument Examiner:
/TINA J. BARDEN/

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

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

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UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/171,850	06/30/2005	David P. Limont	13768.614	5452

22971 7590 06/22/2010
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052-6399

EXAMINER	
SU, SARAH	
ART UNIT	PAPER NUMBER
2431	

NOTIFICATION DATE	DELIVERY MODE
06/22/2010	ELECTRONIC

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

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

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

ntovar@microsoft.com
p5docket@microsoft.com

IPR2024-00809
Petitioner's Exhibit 1013
Page 000133

Interview Summary	Application No.	Applicant(s)	
	11/171,850	LIMONT ET AL.	
	Examiner	Art Unit	
	Sarah Su	2431	

All participants (applicant, applicant's representative, PTO personnel):

(1) *Sarah Su*. (3)_____.

(2) *Sung Kim (45,398)*. (4)_____.

Date of Interview: *16 June 2010*.

Type: a)☐ Telephonic b)☐ Video Conference
c)☒ Personal [copy given to: 1)☐ applicant 2)☒ applicant's representative]

Exhibit shown or demonstration conducted: d)☐ Yes e)☒ No.
If Yes, brief description: _____.

Claim(s) discussed: *1*.

Identification of prior art discussed: *Albert et al. (US 2003/0177389 A1)*.

Agreement with respect to the claims f)☐ was reached. g)☒ was not reached. h)☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: *Applicant's representative discussed the differences between independent claim 1 and the cited prior art Albert with regards to the indication that the mobile device is configured according to settings being received subsequent to the settings being sent. The examiner suggested tying the email synchronization into the device configuration setting steps and clarification on the indication of compliance. The applicant's representative will submit an appropriate response* .

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

/Sarah Su/ Examiner, Art Unit 2431	/William R. Korzuch/ Supervisory Patent Examiner, Art Unit 2431

IPR2024-00809
Petitioner's Exhibit 1013
Page 000134

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews
Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

———

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:
- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

1) A brief description of the nature of any exhibit shown or any demonstration conducted,
2) an identification of the claims discussed,
3) an identification of the specific prior art discussed,
4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
5) a brief identification of the general thrust of the principal arguments presented to the examiner,
   (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
6) a general indication of any other pertinent matters discussed, and
7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/171,850	06/30/2005	David P. Limont	13768.614	5452

22971 7590 04/12/2010

MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052-6399

EXAMINER	
SU, SARAH	
ART UNIT	**PAPER NUMBER**
2431	

NOTIFICATION DATE	DELIVERY MODE
04/12/2010	ELECTRONIC

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

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

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

ntovar@microsoft.com
p5docket@microsoft.com

IPR2024-00809
Petitioner's Exhibit 1013
Page 000136

Office Action Summary	Application No.	Applicant(s)	
	11/171,850	LIMONT ET AL.	
	Examiner	Art Unit	
	Sarah Su	2431	

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

Period for Reply

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

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

Status

1)☒ Responsive to communication(s) filed on *27 January 2010*.

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

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

Disposition of Claims

4)☒ Claim(s) *1-4, 6-9 and 12-20* is/are pending in the application.

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

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-4, 6-9, 12-20* is/are rejected.

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

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

Application Papers

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

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

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

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

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

Priority under 35 U.S.C. § 119

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

a)☐ All b)☐ Some * c)☐ None of:

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

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

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

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

Attachment(s)

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

IPR2024-00809
Petitioner's Exhibit 1013
Page 000137

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 27 January 2010 has been entered. In this amendment, claims 1-4, 6-9, and 12-20 have been amended, and claim 10 has been canceled.

2. Claims 1-4, 6-9, and 12-20 are presented for examination.

Response to Arguments

3. Applicant's arguments with respect to claims 1-4. 6-9, and 12-20 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

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

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

5. Claims 1-4, 6-9, 12, 14-17, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Albert et al. (US 2003/0177389 A1 and Albert hereinafter) in view of

Wright et al. (US 2004/0123153 A1 and Wright hereinafter) and further in view of Flanagin et al. (US 2003/0046434 A1) and Flanagin hereinafter).

As to claim 1, Albert discloses a system and method for security policy arbitration, the system and method having:

sending device configuration settings to the mobile device, the device configuration settings representing a new mobile device configuration that is appropriate for accessing the maintained data (0072, lines 16-21)**;**

receiving an indication that the mobile device is configured in accordance (i.e. confirming compliance) **with the device configuration settings subsequent to sending the device configuration settings to the mobile device** (0096, lines 1-8)**;**

permitting the mobile device to access the maintained data in response to receiving the indication that the mobile device is configured in accordance with the device configuration settings (0025, lines 11-13)**.**

Albert fails to specifically disclose:

receiving at the computer system a sync request from the mobile device, the sync request requesting that the mobile device be permitted to access the data maintained by the computer system in order to sync data between the mobile device and the computer system, the request indicating a current mobile device configuration of the mobile device and including a configuration version corresponding to the current mobile

device configuration, the data maintained by the computer system comprising electronic mail data;

determining that the current mobile device configuration is not appropriate for accessing the maintained data, wherein the act of determining that the current mobile device configuration is not appropriate for accessing the maintained data comprises comparing the configuration version included in the received sync request to one or more configuration versions stored at the computer system representing appropriate configurations for accessing the maintained data.

Nonetheless, these features are well known in the art and would have been an obvious modification of the teachings disclosed by Albert, as taught by Wright.

Wright discloses a system and method for protecting data accessible by a mobile device, the system and method having:

determining that the current mobile device configuration is not appropriate for accessing the maintained data, wherein the act of determining that the current mobile device configuration is not appropriate for accessing the maintained data comprises comparing the configuration version included in the received sync request to one or more configuration versions stored at the computer system representing appropriate configurations for accessing the maintained data (0047, lines 13-16, 23-27; 0128, lines 17-25; 0139, lines 1-2; 0140, lines 1-2; 0141, lines 1-2)**.**

Given the teaching of Wright, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert with the teachings of Wright by using a received configuration version to determine if access is allowed. Wright recites motivation by disclosing that setting a security policy based on security features would allow ease of use allowing users to move between different environments without needing to manually change security parameters and provide a centralized approach to the administration of security policies (0010, lines 9-22). It is obvious that the teachings of Wright would have improved the teachings of Albert by using a received configuration version to determine if access by a mobile device is allowed in order to provide for a centralized implementation of security.

Albert in view of Wright fails to specifically disclose:

> **receiving at the computer system a sync request from the mobile device, the sync request requesting that the mobile device be permitted to access the data maintained by the computer system in order to sync data between the mobile device and the computer system, the request indicating a current mobile device configuration of the mobile device and including a configuration version corresponding to the current mobile device configuration, the data maintained by the computer system comprising electronic mail data.**

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert in view of Wright, as taught by Flanagin.

Flanagin discloses a system and method for synchronizing mobile devices, the system and method having:

> **receiving at the computer system a sync request from the mobile device, the sync request requesting that the mobile device be permitted to access the data maintained by the computer system in order to sync data between the mobile device and the computer system, the request indicating a current mobile device configuration of the mobile device and including a configuration version corresponding to the current mobile device configuration, the data maintained by the computer system comprising electronic mail data** (0010, lines 3-6; 0011, lines 6-9; 0049, lines 1-3; 0198, lines 1-2)**.**

Given the teaching of Flanagin, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert in view of Wright with the teachings of Flanagin by receiving a sync request including a configuration version. Flanagin recites motivation by disclosing that using one message to report errors and send, request, and respond to updates during synchronization reduces latency in synchronization and generally reduces bandwidth required (0010, lines 6-7). It is obvious that the teachings of Flanagin would have improved the teachings of Albert in view of Wright by including a configuration

version in a sync request in order to reduce latency and bandwidth required for data synchronization.

As to claim 2, Albert in view of Wright fails to specifically disclose:

wherein receiving the sync request from the mobile device comprises receiving a request that was sent in accordance with HTTP.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert in view of Wright, as taught by Flanagin.

Flanagin discloses:

wherein receiving the sync request from the mobile device comprises receiving a request that was sent in accordance with HTTP (0017, lines 1-3)**.**

Given the teaching of Flanagin, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert in view of Wright with the teachings of Flanagin by receiving a sync request in accordance with HTTP. Flanagin recites motivation by disclosing that allowing the synchronization process request to utilize various existing transmission protocols such as HTTP allows the request to take advantage of the security of the protocol upon which it travels (0017, lines 3-8). It is obvious that the teachings of Flanagin would have improved the teachings of Albert in view of Wright by receiving a

request in accordance with HTTP in order to take advantage of the security of the HTTP protocol.

As to claim 3, Albert discloses:

wherein receiving the request from the mobile device comprises an act of receiving a request for a Web page (0083, lines 11-15)**.**

As to claim 4, Albert discloses:

wherein receiving the sync request from the mobile device comprises receiving a request from a mobile device selected from among a PDA (0071, lines 1-6) but does not disclose where the mobile device is selected from a mobile telephone or a watch.

Albert teaches that the client device may be another type of computing device (0071, lines 1-4). It would have been obvious to one of ordinary skill in the art at the time the invention was made to use a mobile telephone or a watch as a mobile device since they are both types of computing devices.

As to claim 6, Albert discloses:

wherein sending device configuration settings to the mobile device comprises sending configuration settings that are designated to alter the current configuration of one or more of an operating system, an application

program, hardware, allocated resources, a network interface, and wireless protocol settings, at the mobile device (0020, lines 8-11; 0072, lines 16-21)**.**

As to claim 7, Albert discloses:

wherein receiving the indication that the mobile device is configured in accordance with the device configuration settings comprises comparing a received configuration version to one or more configuration versions representing appropriate configurations for accessing the maintained data (0066, lines 11-16)**.**

As to claim 8, Albert fails to specifically disclose:

notifying the mobile device that access to the maintained data has been permitted.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert, as taught by Wright.

Wright discloses:

notifying the mobile device that access to the maintained data has been permitted (0128, lines 17-21; 0281, lines 14-18)**.**

Given the teaching of Wright, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert with the teachings of Wright by notifying the device that access is allowed. Wright recites motivation by disclosing that notifying if access is allowed

provides for the protection of data accessible by one or more mobile devices (0011, lines 1-7). It is obvious that the teachings of Wright would have improved the teachings of Albert by notifying a device if access is allowed in order to protect data. It is noted that the examiner has interpreted the notification to include the receiving of the requested data since the device will know that access has been granted if the data is received.

As to claims 9 and 20, Albert discloses:

identifying updated policy settings that are appropriate for accessing the maintained data (0047, lines 8-15)**;**

sending the updated policy settings along with a corresponding updated policy version to the mobile device, the updated policy version representing the updated policy settings (0072, lines 16-21)**;**

receiving a data request along with the updated policy version from the mobile device, the data request requesting that the mobile device be permitted to access the maintained data, the updated policy version indicating that the mobile device is configured in accordance with the updated policy settings (0025, lines 4-8; 0071, lines 32-36; 0096, lines 1-8)**.**

Albert fails to specifically disclose:

receiving at the computer system a data command from a mobile device, the data command including a policy version and a sync request for data maintained at the computer system in order to sync data between

the mobile device and the computer system, the policy version representing the current policy settings at the mobile device, the data maintained at the computer system comprising electronic mail data;

determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system, wherein determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises comparing the policy version included in the received data command to one or more policy versions stored at the computer system representing appropriate policy settings for accessing the maintained data;

notifying the mobile device that the current policy settings are not appropriate for accessing the maintained data;

receiving a policy request from the mobile device, the policy request requesting policy settings that are appropriate for accessing the maintained data;

notifying the mobile device that access to the maintained data has been permitted.

Nonetheless, these features are well known in the art and would have been an obvious modification of the teachings disclosed by Albert, as taught by Wright.

Wright discloses:

determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system, wherein determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises comparing the policy version included in the received data command to one or more policy versions stored at the computer system representing appropriate policy settings for accessing the maintained data (0047, lines 13-16, 23-27; 0128, lines 17-25; 0139, lines 1-2; 0140, lines 1-2; 0141, lines 1-2)**;**

notifying the mobile device that the current policy settings are not appropriate for accessing the maintained data (0128, lines 21-25)**;**

receiving a policy request from the mobile device, the policy request requesting policy settings that are appropriate for accessing the maintained data (0144, lines 1-4; 0145, lines 1-4)**;**

notifying the mobile device that access to the maintained data has been permitted (0128, lines 17-21; 0281, lines 14-18)**.**

Given the teaching of Wright, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert with the teachings of Wright by using a received configuration version to determine if access is allowed. Please refer to the motivation recited above with respect to claim 1 and 8 as to why it is obvious to apply the teachings of Wright to the teachings of Albert.

Albert in view of Wright fails to specifically disclose:

> **receiving at the computer system a data command from a mobile device, the data command including a policy version and a sync request for data maintained at the computer system in order to sync data between the mobile device and the computer system, the policy version representing the current policy settings at the mobile device, the data maintained at the computer system comprising electronic mail data.**

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert in view of Wright, as taught by Flanagin.

Flanagin discloses:

> **receiving at the computer system a data command from a mobile device, the data command including a policy version and a sync request for data maintained at the computer system in order to sync data between the mobile device and the computer system, the policy version representing the current policy settings at the mobile device, the data maintained at the computer system comprising electronic mail data** (0010, lines 3-6; 0011, lines 6-9; 0049, lines 1-3; 0198, lines 1-2)**.**

Given the teaching of Flanagin, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert in view of Wright with the teachings of Flanagin by receiving a

sync request including a setting version. Please refer to the motivation recited above with respect to claim 1 as to why it is obvious to apply the teachings of Flanagin to the teachings of Albert in view of Wright.

As to claim 12, Albert discloses:

> **wherein determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises determining that the mobile device does not** have **policy settings** (0066, lines 6-7) but does not disclose that the device does not **support policy settings**. The applicant discloses in [0059], lines 1-3 of the specification that it is known that lack of an expressly included policy version can indicate that a mobile device does not support policies. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made that a policy not being available on a client device can indicate that policy settings are not supported, as shown by the applicant.

As to claim 14, Albert fails to specifically disclose:

> **wherein receiving the policy request from the mobile device comprises receiving a policy request for policy settings that are appropriate for accessing electronic mail data.**

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert, as taught by Wright.

Wright discloses:

> **wherein receiving the policy request from the mobile device comprises receiving a policy request for policy settings that are appropriate for accessing electronic mail data** (0144, lines 1-4; 0145, lines 1-4; 0281, lines 1-6)**.**

Given the teaching of Wright, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert with the teachings of Wright by receiving a request for setting appropriate for accessing electronic mail. Wright recites motivation by disclosing that the request may apply to processing data for an application such as e-mail so that network traffic embodied in packets using this application can be monitored in order to protect data (0281, lines 6-13). It is obvious that the teachings of Wright would have improved the teachings of Albert by receiving a request appropriate for electronic mail data in order to protect data by monitoring network traffic related to specific applications.

As to claim 15, Albert discloses:

> **wherein the act of receiving a request from a mobile device comprises an act of receiving a request from a mobile device selected from among a PDA** (0071, lines 1-6) but does not disclose where the mobile device is selected from a mobile telephone or a watch.
>
> Albert teaches that the client device may be another type of computing device (0071, lines 1-4). It would have been obvious to one of ordinary skill in

the art at the time the invention was made to use a mobile telephone or a watch as a mobile device since they are both types of computing devices.

As to claim 16, Albert discloses:

wherein identifying the updated policy settings (i.e. settings to be applied) **that are appropriate for accessing the maintained data comprises identifying one or more of PIN lock settings, storage wipe settings, periodic enforcement settings, and policy exceptions** (0047, lines 12-15; 0050, lines 1-3)**.**

As to claim 17, Albert discloses:

wherein sending the updated policy settings along with the corresponding updated policy version to the mobile device comprises sending one or more of PIN lock settings, storage wipe settings, periodic enforcement settings, and policy exceptions (0050, lines 1-3; 0072, lines 16-21)**.**

6. Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Albert in view of Wright and Flanagin as applied to claim 9 above, and further in view of Patanella (US 2004/0193907 A1).

As to claim 13, Albert in view of Wright and Flanagin fails to specifically disclose:

wherein determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises determining that the mobile device does not support PIN lock.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert in view of Wright and Flanagin, as taught by Patanella.

Patanella discloses a system and method for assessing and advising on electronic compliance, the system and method having:

wherein determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises determining that the mobile device does not support PIN lock (i.e. password) (0019, lines 1-3, 9-10; 0047, lines 1-4, 10-17)**.**

Given the teaching of Patanella, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert in view of Wright and Flanagin with the teachings of Patanella by determining if the device supports a PIN lock. Patanella recites motivation by disclosing that security policies requiring safeguards prevent remote hacking (0047, lines 8-10). It is obvious that the teachings of Patanella would have improved the teachings of Albert in view of Wright and Flanagin by determining if a mobile device supports a PIN lock (i.e. password) in order to require safeguards to prevent remote hacking.

7. Claim 18 is rejected under 35 U.S.C. 103(a) as being unpatentable over Albert in view of Wright and Flanagin as applied to claim 9 above, and further in view of Herrmann et al. (US 2003/0055994 A1 and Herrmann hereinafter).

As to claim 18, Albert in view of Wright and Flanagin fails to specifically disclose:

> **wherein receiving the data request along with the updated policy version from the mobile device comprises receiving a policy version indicating that a user of the mobile device is at least temporarily excepted from policy compliance**.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert in view of Wright and Flanagin, as taught by Herrmann.

Herrmann discloses a system and method for providing anti-virus cooperative enforcement, the system and method having:

> **wherein receiving the data request along with the updated policy version from the mobile device comprises receiving a policy version indicating that a user of the mobile device is at least temporarily excepted** (i.e. restricted access) **from policy compliance** (0079, lines 11-19)**.**

Given the teaching of Herrmann, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert in view of Wright and Flanagin with the teachings of Herrmann by at least temporarily excepting a device from policy compliance. Herrmann

recites motivation by disclosing that providing restrictive access to a non-compliant device allows the system to assist the user in remedying non-compliance (0081, lines 1-4). It is obvious that the teachings of Herrmann would have improved the teachings of Albert in view of Wright and Flanagin by excepting a device from policy compliance in order to allow the device to make changes to become compliant.

8. Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over Albert in view of Wright and Flanagin as applied to claim 9 above, and further in view of Shahbazi (WO 2004/021114 A2).

As to claim 19, Albert in view of Wright and Flanagin fails to specifically disclose:

initiating a remote storage wipe of the mobile device.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert in view of Wright and Flanagin, as taught by Shahbazi.

Shahbazi discloses a system and method for enterprise-wide security, the system and method having:

an act of initiating a remote storage wipe of the mobile device (page 13, lines 18-20**.**

Given the teaching of Shahbazi, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert in view of Wright and Flanagin with the teachings of Shahbazi by remotely initiating a wipe of a device. Shahbazi recites motivation by

disclosing that a wipe is executed if the computing node that transferred a security profile to the device is not authorized in order to lock the device (page 13 lines 7-10, 15-18). It is obvious that the teachings of Shahbazi would have improved the teachings of Albert in view of Wright and Flanagin by initiating a remote wipe in order to lock the device if the node that provided the security profile to the device is unauthorized.

Prior Art Made of Record

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Knowles (US 2009/0124247 A1) discloses a system and method for demand-based provisioning for a mobile communication device.

b. Laudermilch et al. (US 2008/0137593 A1) discloses a system and method for controlling mobile device access to a network.

c. Hanmann et al. (US Patent 7,024,491 B1) discloses a system and method for remotely synchronizing a mobile terminal.

d. Ho et al. (WO 02/096139 A1) discloses a system and method for synchronization of stored service parameters.

e. Sharp et al. (US Patent 6,922,723 B1) discloses a system and method for updating mobile computer location configuration settings.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sarah Su whose telephone number is (571) 270-3835. The examiner can normally be reached on Monday through Friday 7:30AM-5:00PM EST..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Korzuch can be reached on (571) 272-7589. 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.

/William R. Korzuch/
Supervisory Patent Examiner, Art Unit 2431

/Sarah Su/
Examiner, Art Unit 2431

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	Examiner Sarah Su	Art Unit 2431	Page 1 of 1

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*	B	US-6,922,723 B1	07-2005	Sharp et al.	709/221
*	C	US-7,024,491 B1	04-2006	Hanmann et al.	709/248
*	D	US-2008/0137593 A1	06-2008	LAUDERMILCH et al.	370/328
*	E	US-2009/0124247 A1	05-2009	Knowles, Michael	455/419
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

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	N	WO 2096139 A1	11-2002	World Intellect	HO et al.	H04Q 07/32
	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.

IPR2024-00809
Petitioner's Exhibit 1013
Page 000158

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 November 2002 (28.11.2002)

PCT

(10) International Publication Number
WO 02/096139 A1

(51) International Patent Classification[7]: H04Q 7/32

(21) International Application Number: PCT/US02/16105

(22) International Filing Date: 21 May 2002 (21.05.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/293,260 23 May 2001 (23.05.2001) US
10/059,738 28 January 2002 (28.01.2002) US

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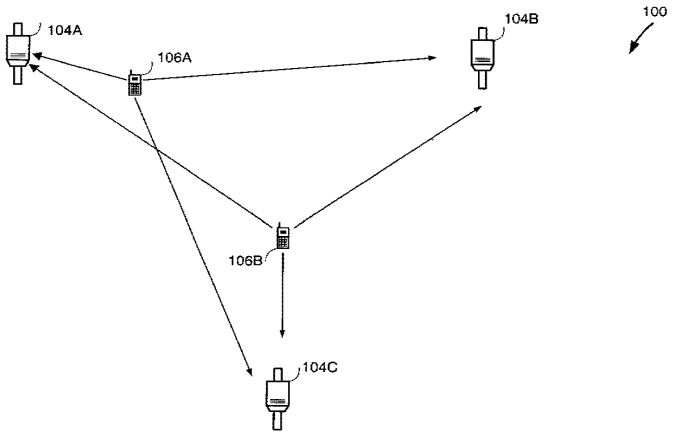
(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

[Continued on next page]

(54) Title: SYNCHRONIZATION OF STORED SERVICE PARAMETERS IN A COMMUNICATION SYSTEM



(57) Abstract: Techniques for synchronization of stored service parameters are disclosed. In one aspect, a configuration identifier is transmitted (370) from a mobile station (106) to a base station (104), and compared with an identifier generated in the base station (380). If the identifiers match, the configuration is used for communication (390). In another aspect, the identifier is generated by selecting an identifier associated with a configuration from a configuration table (610). In yet another aspect, the identifier is generated by computing a cyclic redundancy check (CRC) of the configuration (320). Various other aspects are also presented. These aspects have the benefit of preventing attempted use of unsynchronized stored service parameters and associated call setup failures and subsequent renegotiation, with the net effect of reducing call setup time and more efficient use of system resources.

WO 02/096139 A1

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

SYNCHRONIZATION OF STORED SERVICE PARAMETERS IN A COMMUNICATION SYSTEM

Field

[1001] The present invention relates generally to communications, and more specifically to a novel and improved method and apparatus for synchronization of stored service parameters in a communication system.

Background

[1002] Wireless communication systems are widely employed to provide various types of communication such as voice and data. These systems may be based on code division multiple access (CDMA), time division multiple access (TDMA), or some other modulation techniques. A CDMA system provides certain advantages over other types of systems, including increased system capacity.

[1003] A CDMA system may be designed to support one or more CDMA standards such as (1) the "TIA/EIA-95-B Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular System" (the IS-95 standard), (2) the standard offered by a consortium named "3rd Generation Partnership Project" (3GPP) and embodied in a set of documents including Document Nos. 3G TS 25.211, 3G TS 25.212, 3G TS 25.213, and 3G TS 25.214 (the W-CDMA standard), (3) the standard offered by a consortium named "3rd Generation Partnership Project 2" (3GPP2) and embodied in a set of documents including "C.S0002-A Physical Layer Standard for cdma2000 Spread Spectrum Systems," the "C.S0005-A Upper Layer (Layer 3) Signaling Standard for cdma2000 Spread Spectrum Systems," and the "C.S0024 cdma2000 High Rate Packet Data Air Interface Specification" (the cdma2000 standard), and (4) some other standards.

[1004] Call setup is a procedure by which a mobile station and a base station establish communication. During call setup, various parameters may be negotiated, and other parameters may be directed by the base station without negotiation. These parameters are known as the service configuration record (SCR) and non-negotiable service configuration record (NNSCR), respectively.

There may be a large number of parameters included in these records, and the time spent in negotiation and transfer of these parameters increases call setup time and uses system resources. Collectively these parameters and descriptors may be referred to as a configuration. Also, a set or subset of these parameters and/or descriptors may be referred to as a configuration. The exact makeup of a configuration may be specific to implementation, system, design and/or operation.

[1005] Release A of the cdma2000 standard provides for a procedure to minimize the time spent in call setup when parameters have been previously negotiated. A mobile station can store the mutually agreed to service configuration when it releases all dedicated channels and returns to the idle state. A mobile station may then attempt to reestablish a connection, whether initiating a new voice call or re-connecting a dormant data communication session. The mobile station sends an indication to the base station that a configuration has been stored and may still be useful for the new session. The mobile station sends an identifier for identifying the stored configuration, known in the cdma2000 standard as SYNC_ID. The SYNC_ID can be transmitted in an Origination Message, for a mobile station originated call, or a Page Response Message, for a mobile station terminated call. In response, the base station may instruct the mobile station, via a Service Connect Message, after dedicated channels have been established, that the mobile station should use the stored configuration. If so, the need for performing service negotiation is eliminated and the call setup time is reduced.

[1006] For this procedure to succeed, the stored service configuration must be identical at the mobile and base stations. In other words, the stored service configuration should be synchronized. If the mobile station and the base station attempt to use unsynchronized stored service configurations, the communication will fail, requiring additional system access attempts and subsequent renegotiation of parameters, thus actually increasing call setup time. There is therefore a need in the art for synchronization of stored service parameters.

SUMMARY

[1007] Embodiments disclosed herein address the need for synchronization of stored service parameters. In one aspect, a configuration identifier is transmitted from a mobile station to a base station, and compared with an identifier generated in the base station. If the identifiers match, the configuration is used for communication. In another aspect, the identifier is generated by selecting an identifier associated with a configuration from a configuration table. In yet another aspect, the identifier is generated by computing a Cyclic Redundancy Check (CRC) of the configuration. Various other aspects are also presented. These aspects have the benefit of preventing attempted use of unsynchronized stored service parameters and associated call setup failures and subsequent renegotiation, with the net effect of reducing call setup time and more efficient use of system resources.

BRIEF DESCRIPTION OF THE DRAWINGS

[1008] FIG. 1 is a general block diagram of a wireless communication system capable of supporting a number of users.

[1009] FIG. 2 is a portion of a base station or mobile station equipped for synchronization of stored service parameters.

[1010] FIG. 3 is a flow diagram of an embodiment of stored service parameter synchronization using CRCs as exemplary identifiers.

[1011] FIG. 4 is a flow diagram of a modification to the embodiment of FIG. 3 for mitigating the effects of differing service parameter storage techniques on identifier generation.

[1012] FIG. 5 is a flow diagram of a modification to the embodiments of FIG. 3 or FIG. 4 for eliminating the need for identifier generation in a mobile station.

[1013] FIG. 6 is a flow diagram of an embodiment of stored service parameter synchronization using configuration tables.

[1014] FIG. 7 is a flow diagram of a modification to the embodiment of FIG. 6 for supporting configuration tables in mobile stations.

[1015] FIG. 8 is a flow diagram of an embodiment of a method for stored service parameter synchronization while roaming.

DETAILED DESCRIPTION

[1016] FIG. 1 is a diagram of a wireless communication system 100 that may be designed to support one or more CDMA standards and/or designs (e.g., the W-CDMA standard, the IS-95 standard, the cdma2000 standard, the HDR specification). For simplicity, system 100 is shown to include three base stations 104 in communication with two mobile stations 106. The base station and its coverage area are often collectively referred to as a "cell". In IS-95 systems, a cell may include one or more sectors. In the W-CDMA specification, each sector of a base station and the sector's coverage area is referred to as a cell. As used herein, the term base station can be used interchangeably with the terms access point or NodeB. The term mobile station can be used interchangeably with the terms User Equipment (UE), subscriber unit, subscriber station, Access Terminal (AT), remote terminal, or other corresponding terms known in the art. The term mobile station is applicable to any of these wireless applications.

[1017] Depending on the CDMA system being implemented, each mobile station 106 may communicate with one (or possibly more) base stations 104 on the forward link at any given moment, and may communicate with one or more base stations on the reverse link depending on whether or not the mobile station 106 is in soft handoff. The forward link (i.e., downlink) refers to transmission from the base station to the mobile station, and the reverse link (i.e., uplink) refers to transmission from the mobile station to the base station.

[1018] For clarity, the examples used herein assume the base station is the originator of signals, and the mobile station(s) are receiver(s) and acquirer(s) of those signals, i.e. signals on the forward link. Those skilled in the art will understand that mobile stations as well as base stations can be equipped to transmit data as described herein and therefore, these examples are also applicable to the reverse link. The word "exemplary" is used exclusively herein to mean "serving as an example, instance, or illustration." Any embodiment

described herein as "exemplary" is not necessarily to be construed as preferred or advantageous over other embodiments.

[1019] FIG. 2 depicts an embodiment of a communication device which can be configured as a base station 104 or a mobile station 106. Various embodiments, examples of which are detailed below, may call for only a subset of the components shown in FIG. 2 in either the base station 104 or mobile station 106.

[1020] Signals are received at antenna 210 and delivered for conversion from radio frequency (RF) to baseband, amplification, filtering, demodulation, decoding, and the like in receiver 220, techniques for which are known in the art. Note that any air interface can be supported, and the format of transmission on the forward and reverse links need not be identical. Message decoder 230 receives demodulated data from receiver 220 and decodes messages incorporated in the data for delivery to processor 260. Examples of messages received include, but are not limited to, Origination or Page Response Messages received at a base station, Paging Messages received at a mobile station 106, parameter negotiation messages received at either type of station, messages containing SYNC_ID, and the like.

[1021] Processor 260 may be a Digital Signal Processor (DSP), a specialized processor for performing communication tasks, or any general purpose processor known in the art. Processor 260 is coupled with memory 270, which can store instructions for performing the various steps and processes disclosed herein, and detailed further below.

[1022] Depending on the embodiment employed, processor 260 may deliver data to CRC generator 240 for generating a CRC over information and parameters received in various messages from message decoder 230, or stored in memory 270 as configuration for use in communication. Some embodiments may include configuration table 250, which includes configurations, or sets of parameters, and a unique identifier for each possible configuration.

[1023] A base station 104 may store a configuration for each of a plurality of mobile stations 106 with which it is communicating. The configurations can be stored in memory 270. In some embodiments, when configuration table 250 is employed, the base station 104 may only need to store the configuration

identifiers associated with the various mobile stations 106. A mobile station 106 may only store one configuration, the one most recently used. Alternate embodiments may allow the mobile station 106 to store multiple configurations. In some embodiments, the base stations 104 may contain configuration tables 250, while the mobile stations 106 do not. Alternatively, a mobile station 106 may also contain configuration table 250.

[1024] Message generator 280 generates messages under control of processor 260 for delivery to transmitter 290. Some example messages have been described above. Transmitter 290 performs encoding, modulation, amplification, filtering, up-conversion to RF, and the like, techniques for which are known in the art, and delivery to antenna 210 for transmission.

[1025] Those of skill in the art will recognize that the various components shown in FIG. 2 are subsets of the components typically employed in a mobile station 106 or base station 104. Furthermore, the functional divisions are shown for clarity of discussion, as the various components may be discrete special purpose hardware, or implemented in firmware or software and carried out as instructions in processor 260, or a combination thereof. Configuration table 250 may reside in memory 270. Memory 270 may be a component of processor 260.

[1026] FIG. 3 depicts a flowchart of an embodiment of a method for stored configuration synchronization, suitable for use with base stations 104 and mobile stations 106, described above with respect to FIG. 2. In step 310, the base station 104 stores a configuration and transmits that configuration to the mobile station 106. The storing and transmitting in step 310 may occur during a negotiation of the parameters in the configuration with the mobile station 106. In step 320, the base station 104 computes and stores a CRC of the transmitted configuration. In step 325, the mobile station 106, having received the transmitted configuration, stores it for use in current communication and for potential future use. In step 330, the mobile station 106 calculates and stores a CRC of the configuration. The mobile station 106 then enters the traffic state 340, and communication transpires. When a voice call is terminated, or a data session goes dormant, the idle state 350 is entered. At some point, after being paged by the base station 104 or when originating a new voice call or

reactivating a data session, the mobile station 106 enters the system access state 360, with the goal of re-entering traffic state 340 and re-establishing communication. Steps 370 – 395 indicate one embodiment of re-establishing synchronized stored service parameters. While these steps are carried out, the mobile station 106 may be in either the system access state, the traffic state, or in transition between the two. The details of state transition will be specified by whichever standard is adhered to, and do not limit the scope of the present invention. In step 370, the mobile station 106 sends the CRC as a SYNC_ID to the base station 104. In step 380, the base station 104 compares the received SYNC_ID with the CRC stored in the base station 104. If there is a match, in decision block 385, proceed to step 390 and use the stored configuration for the communication session, which begins when the mobile station 106 transitions back to the traffic state 340.

[1027] If there is no match, in decision block 385, then the base station 104 and mobile station 106 must renegotiate the configuration in step 395, before traffic state 350 is entered. There are a number of reasons for a failed match. The base station 104 may have had to flush the portion of its memory containing the configuration for the particular mobile station 106. Or, the mobile station 106 may have roamed and is communicating with new base station. Roaming issues may differ depending on the embodiment employed, and are discussed further below with respect to FIG. 8.

[1028] Note that the calculation of the CRC in the base and mobile stations 106 need not occur in the order shown. It is sufficient that the CRC is calculated in the mobile station 106 before it is transmitted, and in the base station 104 before it is compared. Storing the CRC in either station can be omitted if the CRC is regenerated each time it is used. However, if a configuration is used repeatedly, as may occur with a data session that transitions between active and dormant states frequently, it may be desirable to calculate the CRC once.

[1029] If the configuration information is stored differently in the base station 104 and the mobile station 106, whether during or subsequent to negotiation, then a CRC calculated on the two configurations is likely to be different, even though the information contained is the same. This is because the output of a

CRC generator, such as CRC generator 240, is dependent on the order in which it receives data. FIG. 4 depicts a flowchart of a modification that can be introduced to the process described in FIG. 3 to produce an embodiment that provides for configuration synchronization without regard for how the configuration is stored in the mobile and base station 104.

[1030] In step 410, the base station 104 transmits incremental or new configuration information. This may occur during initial service parameter negotiation. It may also occur after the mobile station 106 has entered the dormant state following a communication session, i.e., after entering state 350 of FIG. 3. In step 420, the base station 104 calculates a CRC on the incremental or new configuration information, as transmitted, and updates the stored CRC with the new CRC calculation. There are myriad ways of combining CRCs, all of which fall within the scope of the present invention. One example is to exclusive OR the new CRC with the stored CRC. If there is no stored CRC, because the new or incremental information was the initial information, the new CRC can be simply stored.

[1031] In step 430, the mobile station 106 receives and stores the incremental or new configuration information. In step 440, the mobile station 106 calculates the CRC of the new or incremental configuration information, as received, and combines that CRC with a stored CRC, if one exists, and stores the result as the current stored CRC. Note that, in steps 420 and 440, the base station 104 or mobile station 106, respectively, performs the CRC on the transmitted information. Therefore, the method of storing the information in either the base or mobile station 106 does not affect the resultant CRC. The CRC combination technique will produce the same result as the base station 104 combining in step 420. Subsequently, the mobile station 106 can enter the traffic state 340 to begin communication with the base station 104, and the process continues as described in FIG. 3 with respect to steps 340 through 395.

[1032] It can be seen that by modifying the process of FIG. 3 with the steps just described, differing methods for storing the service parameters in the base station 104 and mobile stations 106 will not interfere with synchronization of the configurations. The procedure of FIG. 4 can be used for the initial service configuration negotiation, with incremental CRC calculations and subsequent

CRC combining procedures, as necessary. Then, subsequent or incremental changes made to the service configuration can also be updated according to the procedure, thus maintaining the configuration synchronization procedure independently from the configuration storage procedure.

[1033] Note also that the CRC, as used throughout this description, is only one example of a function for generating an identifier associated with a configuration. Other functions are known to create an identifier for data based on the data's contents and can also be used within the scope of the present invention. Examples include hash functions, digital signatures, and the like.

[1034] In some embodiments, it may be desirable to minimize the computation required in the mobile station 106 to carry out parameter synchronization. The methods depicted in FIGS. 3 and 4 can be modified so that the mobile station 106 need not calculate the CRC (or other identifier-generating function). An exemplary embodiment of such a method is depicted in FIG. 5. This method also mitigates the effects of storage techniques differing between base stations 104 and mobile stations 106. The base station 104 calculates the CRC in step 320 or 410, depending on whether the process of FIG. 3 or FIG. 4 is being modified, respectively. In step 510, the base station 104 transmits the CRC to the mobile station 106. The mobile station 106 receives the CRC and stores it in step 520. Note that, with this modification, step 330 of FIG. 3 and step 440 of FIG. 4, where the mobile station 106 computed the CRC (or other identifier-generating function), are not needed.

[1035] FIG. 6 depicts a flowchart of an embodiment that eliminates the need for the base station 104 and the mobile station 106 to calculate an identifier, such as a CRC. In step 610, the base station 104 determines the configuration from an enumerated table. As described above, the number of stored service parameters may be quite large. The resultant number of possible configurations may be exceedingly large for practical storage in a table. However, many of the parameters are not independent, and therefore many settings are not possible with certain other settings. In some embodiments, it may be reasonable to enumerate the supported configurations in a configuration table, such as configuration table 250 in FIG. 2.

[1036] Each configuration in the configuration table is associated with an identifier, which can be used as the SYNC_ID. The identifier may be an index, a CRC, a random number, or any other function of the configuration data. Simply using an index may not be desirable if it is possible that neighboring systems may use different enumeration tables. In such a case, a mobile station 106 may respond with a SYNC_ID containing an index, and the associated configuration in the configuration table will not be synchronized with the stored configuration at the mobile station 106. A random number is more likely to provide protection, if it is unlikely that neighboring base stations will use the same random numbers for different configurations. A CRC, or other function of the configuration data, may be the most robust for certain circumstances. In step 620, the base station 104 transmits the configuration to the mobile station 106. In step 630, the base station 104 transmits the identifier associated with the configuration. The mobile station 106 receives and stores the identifier, or SYNC_ID, in step 640. The process can then proceed as described in FIG. 3.

[1037] The mobile station 106 receives and stores the configuration in step 325. No calculation is required by the mobile station 106, so step 330 is not needed. The mobile station 106 can proceed to the traffic state 340 and commence communication. When the mobile station 106 attempts to use the stored service configuration for reestablishing a call (subsequent to states 350 and 360), the mobile station 106 will send the SYNC_ID received in step 370. It may be a CRC, but it may also be one of the other examples given above. The base station 104 compares the SYNC_ID with the identifier stored for that mobile station 106 in step 380. Again, the identifier may be a CRC or any of the other identifiers given above. If there is a match, in decision block 385, the mobile station 106 will use the stored configuration, and the base station 104 will use the configuration associated with the identifier in the configuration table. If there is not a match, the mobile station 106 and base station 104 will need to renegotiate the configuration in step 395.

[1038] Yet another simplification can be made if the configuration table, such as configuration table 250, is stored in the mobile station 106. The procedure just described with respect to FIG. 6 can be modified as shown in FIG. 7. As before, the base station 104 determines the configuration from a configuration

table and determines the identifier with which it is associated. The base station 104 sends the identifier, or SYNC_ID, in step 630. Step 620, the base station 104 sending the configuration is not necessary. Rather, the mobile station 106 retrieves from its configuration table the configuration associated with the received SYNC_ID, shown in step 710. The mobile station 106 will naturally maintain a record of the SYNC_ID (step 640), not shown in FIG. 7. The process then proceeds according to FIG. 3, as described above with respect to FIG. 6.

[1039] Note that the configuration table in the mobile station 106 need not contain the entire list of records as the configuration table in the base station 104. What is important is that the identifiers associated with configurations in the mobile station's configuration table match the corresponding identifiers and configurations in the base station's configuration table. The base station 104 can send the configuration to the mobile station 106 when one that is not supported in the mobile station's configuration table is required (using the method described above in FIG. 6).

[1040] The procedure described in FIG. 7 has the benefits of requiring neither the base station 104 nor the mobile to compute an identifier for a configuration, and the configuration need not be transmitted over the air.

[1041] The various embodiments for synchronizing stored service parameters are designed with mobile station 106 roaming in mind. If a mobile station 106 never roamed, communicating with only a single base station 104, a SYNC_ID may be redundant, since the mobile station 106 could simply identify whether or not the latest configuration was still available. A single bit would suffice. The base station 104 could simply agree to use the stored configuration if it still had the mobile's configuration stored. In reality, mobile stations roam, which is why the various embodiments, described above, were outfitted with various techniques for ensuring that when the mobile station 106 attempts to reconnect to a base station 104, and use a stored configuration, the configuration is the same at both the mobile station 106 and the base station 104. The system can make the stored configuration for various mobile stations 106 available to neighboring base stations 104 by transmitting them on the backhaul (the network interconnecting base stations, base station controllers, mobile switching centers (MSCs), and the like). Or, as described above with

respect to FIGS. 6 and 7, the base stations 104 may contain configuration tables. The techniques described in FIGS. 6 and 7 work with roaming mobile stations 106 so long as the base stations 104 contain the same configuration tables. The above-described techniques also work well when neighboring base stations, while not equipped with identical configuration tables or the current settings for roaming mobiles, will reject requests for using stored configurations when not so equipped.

[1042] A network operator may choose to employ base stations 104 in its network, or in sub-parts of its network, which all adhere to a certain method for stored service parameter synchronization. Neighboring systems, perhaps run by different network operators, may have roaming agreements which allow roaming, but may not adhere to a common stored service parameter synchronization protocol. When a mobile roams from one system, using a certain protocol, to another system using an incompatible protocol, or the protocol is unknown, the mobile station 106 may need to disable the SYNC_ID method it is using.

[1043] FIG. 8 shows a flowchart of a method a mobile station 106 may employ when it is roaming into a new system, or sub-part of a system. In decision block 810, the mobile station 106 determines if the base station 104 it is roaming to follows the SYNC_ID protocol used for storing its current configuration. There are a variety of ways for a mobile station 106 to determine this. Various networks contain system identifications (SIDs) and network identifications (NIDs). The mobile station 106 may simply assume, when roaming to a new SID or NID, that the protocol is different. Or the mobile station 106 may know in advance a list of systems which adhere to one protocol or another. The various protocols may be differentiated on systems of different frequencies or geographical regions. Clearly, when a mobile station 106 roams into a system using a different air interface, the stored service parameters may need to be updated with parameters suited to the alternate air interface. As stated above, if the base station 104 uses a protocol, such as CRC checking, that will reject the offer to use the stored configuration when it is invalid, the mobile station 106 need not take any action, but can attempt to reestablish a

traffic channel using the stored identifier, such as SYNC_ID, as shown in step 820.

[1044] In decision block 810, if the base station 104 does not follow a protocol that is the same or at least compatible with the mobile station's currently stored SYNC_ID, or the base station's protocol is unknown, the mobile station 106 may proceed to step 830 and reset SYNC_ID to a null value. This will ensure that the service parameters will be renegotiated. In an alternative embodiment, the messages between the mobile station 106 and base station 104 may allow the mobile station 106 to signify that the stored configuration is not valid, such as the Origination Message or Page Response Message. Or, the base station 104 may know that an entering mobile station 106 does not have a valid stored configuration, and thus to ignore the SYNC_ID.

[1045] It should be noted that in all the embodiments described above, method steps can be interchanged without departing from the scope of the invention.

[1046] Those of skill in the art will understand that information and signals may be represented using any of a variety of different technologies and techniques. For example, data, instructions, commands, information, signals, bits, symbols, and chips that may be referenced throughout the above description may be represented by voltages, currents, electromagnetic waves, magnetic fields or particles, optical fields or particles, or any combination thereof.

[1047] Those of skill will further appreciate that the various illustrative logical blocks, modules, circuits, and algorithm steps described in connection with the embodiments disclosed herein may be implemented as electronic hardware, computer software, or combinations of both. To clearly illustrate this interchangeability of hardware and software, various illustrative components, blocks, modules, circuits, and steps have been described above generally in terms of their functionality. Whether such functionality is implemented as hardware or software depends upon the particular application and design constraints imposed on the overall system. Skilled artisans may implement the described functionality in varying ways for each particular application, but such

implementation decisions should not be interpreted as causing a departure from the scope of the present invention.

[1048] The various illustrative logical blocks, modules, and circuits described in connection with the embodiments disclosed herein may be implemented or performed with a general purpose processor, aDSP, an Application Specific Integrated Circuit (ASIC), a Field Programmable Gate Array (FPGA) or other programmable logic device, discrete gate or transistor logic, discrete hardware components, or any combination thereof designed to perform the functions described herein. A general purpose processor may be a microprocessor, but in the alternative, the processor may be any conventional processor, controller, microcontroller, or state machine. A processor may also be implemented as a combination of computing devices, e.g., a combination of a DSP and a microprocessor, a plurality of microprocessors, one or more microprocessors in conjunction with a DSP core, or any other such configuration.

[1049] The steps of a method or algorithm described in connection with the embodiments disclosed herein may be embodied directly in hardware, in a software module executed by a processor, or in a combination of the two. A software module may reside in Random Access Memory (RAM), FLASH memory, Read-Only Memory (ROM), Erasable Programmable ROM (EPROM), Electrically Erasable Programmable Memory (EEPROM), registers, hard disk, a removable disk, a Compact Disc-ROM (CD-ROM), or any other form of storage medium known in the art. An exemplary storage medium is coupled to the processor such the processor can read information from, and write information to, the storage medium. In the alternative, the storage medium may be integral to the processor. The processor and the storage medium may reside in an ASIC. The ASIC may reside in a user terminal. In the alternative, the processor and the storage medium may reside as discrete components in a user terminal.

[1050] The previous description of the disclosed embodiments is provided to enable any person skilled in the art to make or use the present invention. Various modifications to these embodiments will be readily apparent to those skilled in the art, and the generic principles defined herein may be applied to other embodiments without departing from the spirit or scope of the invention. Thus, the present invention is not intended to be limited to the embodiments

shown herein but is to be accorded the widest scope consistent with the principles and novel features disclosed herein.

[1051] WHAT IS CLAIMED IS:

CLAIMS

1. A mobile station, operable with one or more base stations, comprising:
a memory for storing a service configuration;
a Cyclic Redundancy Check (CRC) generator for generating a CRC of the stored service configuration; and
a message generator for generating a message including the CRC to identify the stored service configuration.

2. The mobile station of claim 1, further comprising a message decoder for receiving a message from a base station indicating the stored service configuration should be used for communication.

3. The mobile station of claim 2, wherein:
the message decoder further receives a message containing a partial service configuration;
the memory stores the partial service configuration; and
the CRC generator generates a CRC of the partial service configuration and combines the CRC of the partial service configuration with a prior generated CRC to generate a CRC of the stored service configuration.

4. A base station, operable with a plurality of mobile stations, comprising:
a memory for storing a plurality of service configurations corresponding to the plurality of mobile stations;
a CRC generator for generating a plurality of CRCs of the plurality of stored service configurations;
a message decoder for receiving a message from a mobile station containing a CRC identifying the mobile station's stored service configuration; and
a comparator for comparing the received CRC with the corresponding one of the plurality of CRCs and indicating whether a match exists.

5. The base station of claim 4, further comprising a message generator for generating a message for transmission to the mobile station indicating that the stored service configuration should be used for communication when the compared CRCs indicate a match.

6. The base station of claim 5, wherein:

the message generator further generates a message containing a partial service configuration for transmission to the mobile;

the memory stores the partial service configuration; and

the CRC generator generates a CRC of the partial service configuration and combines the CRC of the partial service configuration with a prior generated CRC to generate the corresponding one of the plurality of CRCs of the plurality of stored service configurations.

7. A communication system, including a base station, operable with a plurality of mobile stations, comprising:

a memory for storing a plurality of service configurations corresponding to the plurality of mobile stations;

a CRC generator for generating a plurality of CRCs of the plurality of stored service configurations;

a message decoder for receiving a message from a mobile station containing a CRC identifying the mobile station's stored service configuration; and

a comparator for comparing the received CRC with the corresponding one of the plurality of CRCs and indicating whether a match exists.

8. A mobile station, operable with one or more base stations, comprising:

a message decoder for receiving one or more messages containing a service configuration and a message containing an identifier associated with the service configuration;

a memory for storing a service configuration; and

a message generator for generating a message including the identifier to identify the stored service configuration.

9. The mobile station of claim 8, further comprising a message decoder for receiving a message from a base station indicating the stored service configuration should be used for communication.

10. A mobile station, operable with one or more base stations, comprising:

a message decoder for receiving a message containing an identifier associated with a service configuration;

a configuration table consisting of service configurations associated with identifiers for accessing a service configuration associated with the received identifier; and

a message generator for generating a message including the identifier to identify the service configuration.

11. A base station, operable with a plurality of mobile stations, comprising:

a memory for storing a plurality of service configurations corresponding to the plurality of mobile stations;

a configuration identifier generator for generating a plurality of identifiers for the plurality of stored service configurations;

a message generator for generating for transmission to a mobile station a message containing an identifier associated with the service configuration;

a message decoder for receiving a message from a mobile station containing an identifier identifying the mobile station's stored service configuration; and

a comparator for comparing the received identifier with the corresponding one of the plurality of identifiers and indicating whether a match exists.

12. The base station of claim 11, wherein the message generator further generates for transmission to the mobile station one or more messages containing a service configuration.

13. The base station of claim 11, wherein the message generator further generates a message for transmission to the mobile station indicating that the

stored service configuration should be used for communication when the compared identifiers indicate a match.

14. The base station of claim 11, wherein each identifier is a CRC of the associated configuration.

15. The base station of claim 11, wherein each identifier is a random number associated with a configuration.

16. The base station of claim 11, wherein each identifier is an index.

17. The base station of claim 11, wherein:

the configuration identifier generator is a configuration table consisting of configurations and associated identifiers; and

the associated identifiers are stored in the memory as the plurality of service configurations corresponding to the plurality of mobile stations.

18. A communication system, including a base station, operable with a plurality of mobile stations, comprising:

a memory for storing a plurality of service configurations corresponding to the plurality of mobile stations;

a configuration identifier generator for generating a plurality of identifiers for the plurality of stored service configurations;

a message generator for generating for transmission to a mobile station a message containing an identifier associated with the service configuration;

a message decoder for receiving a message from a mobile station containing an identifier identifying the mobile station's stored service configuration; and

a comparator for comparing the received identifier with the corresponding one of the plurality of identifiers and indicating whether a match exists.

19. A method of synchronizing stored service parameters comprising:

generating an identifier of a configuration in a base station;

transmitting an identifier of a configuration from a mobile station to the base station;

comparing the generated identifier with the transmitted identifier; and

using the configuration for communication between the base station and mobile station when the compared identifiers match.

20. The method of claim 19, wherein the transmitted identifier is generated in the mobile station.

21. The method of claim 19, further comprising transmitting the identifier from the base station to the mobile station prior to transmitting the identifier from the mobile station to the base station.

22. The method of claim 19, wherein the generating step comprises selecting an identifier associated with the configuration in a configuration table.

23. The method of claim 19, wherein the identifier is a CRC.

24. The method of claim 19, wherein the identifier is a random number.

25. The method of claim 19, wherein the identifier is an index.

26. A method of synchronizing stored service parameters comprising:
transmitting a partial configuration from a base station to a mobile station;
calculating a CRC of the partial configuration in the base station;
combining the CRC of the partial configuration with a stored CRC in the base station to update the stored CRC in the base station;
calculating the CRC of the partial configuration in the mobile station;
combining the CRC of the partial configuration with a stored CRC in the mobile station to update the stored CRC in the mobile station;
transmitting the stored CRC in the mobile station to the base station;
comparing the transmitted stored CRC with the stored CRC in the base station; and
using the configuration comprised of one or more partial configurations for communication between the base station and mobile station when the compared stored CRCs match.

27. A method of synchronizing stored service parameters in a base station comprising:
generating an identifier of a configuration;
receiving an identifier of a configuration from a mobile station;
comparing the generated identifier with the received identifier; and
communicating with the mobile station using the configuration when the compared identifiers match.

28. The method of claim 27, further comprising transmitting the configuration to the mobile station.

29. The method of claim 27, further comprising transmitting the generated identifier to the mobile station.

30. The method of claim 27, wherein the generating step comprises selecting an identifier associated with a configuration in a configuration table.

31. A method of synchronizing stored service parameters in a mobile station comprising:

storing a configuration;

transmitting an identifier associated with the configuration to a base station;

receiving a message from the base station indicating whether the stored configuration is valid; and

communicating with the base station using the stored configuration when it is valid.

32. The method of claim 31, further comprising receiving the configuration from the base station.

33. The method of claim 31, further comprising receiving the transmitted identifier from the base station.

34. Processor readable media operable to perform the following steps:

generating an identifier of a configuration;

receiving an identifier of a configuration from a mobile station;

comparing the generated identifier with the received identifier; and

communicating with the mobile station using the configuration when the compared identifiers match.

35. Processor readable media operable to perform the following steps:

storing a configuration;

transmitting an identifier associated with the configuration to a base station;

receiving a message from the base station indicating whether the stored configuration is valid; and

communicating with the base station using the stored configuration when it is valid.

36. A communication system comprising:

means for generating an identifier of a configuration in a base station;

means for transmitting an identifier of a configuration from a mobile station to the base station;

means for comparing the generated identifier with the transmitted identifier; and

means for using the configuration for communication between the base station and mobile station when the compared identifiers match.

37. A base station comprising:

means for generating an identifier of a configuration;

means for receiving an identifier of a configuration from a mobile station;

means for comparing the generated identifier with the received identifier; and

means for communicating with the mobile station using the configuration when the compared identifiers match.

38. A mobile station comprising:

means for storing a configuration;

means for transmitting an identifier associated with the configuration to a base station;

means for receiving a message from the base station indicating whether the stored configuration is valid; and

means for communicating with the base station using the stored configuration when it is valid.

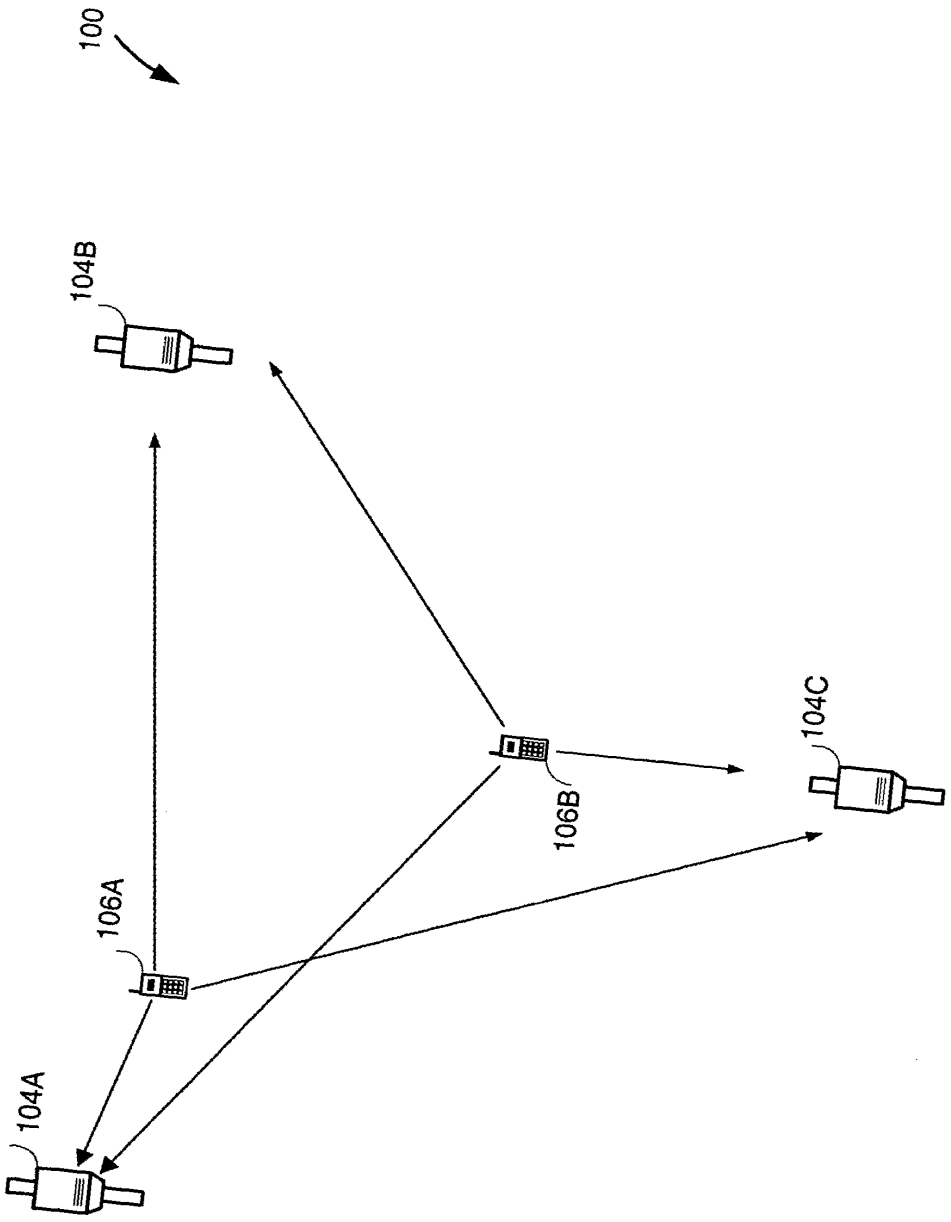


FIG. 1

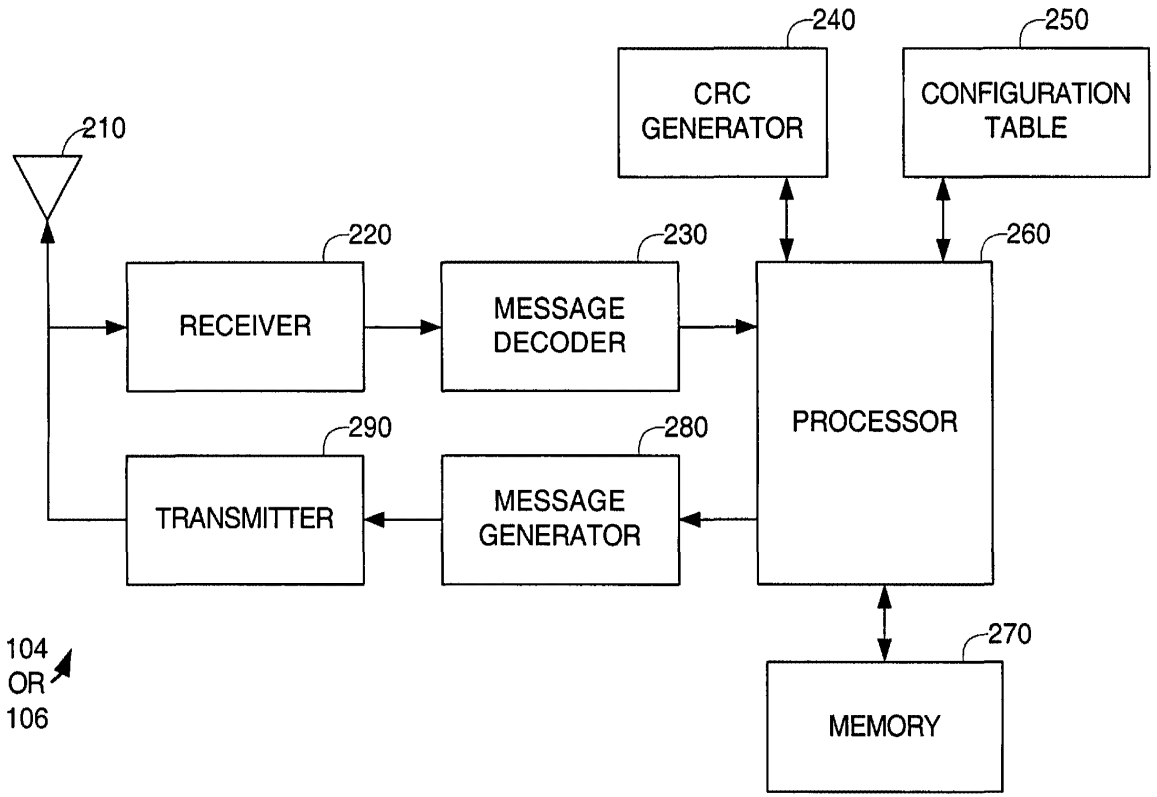

240
250
CRC GENERATOR
CONFIGURATION TABLE
210
220
230
260
RECEIVER
MESSAGE DECODER
PROCESSOR
290
280
TRANSMITTER
MESSAGE GENERATOR
104 OR 106
270
MEMORY

FIG. 2

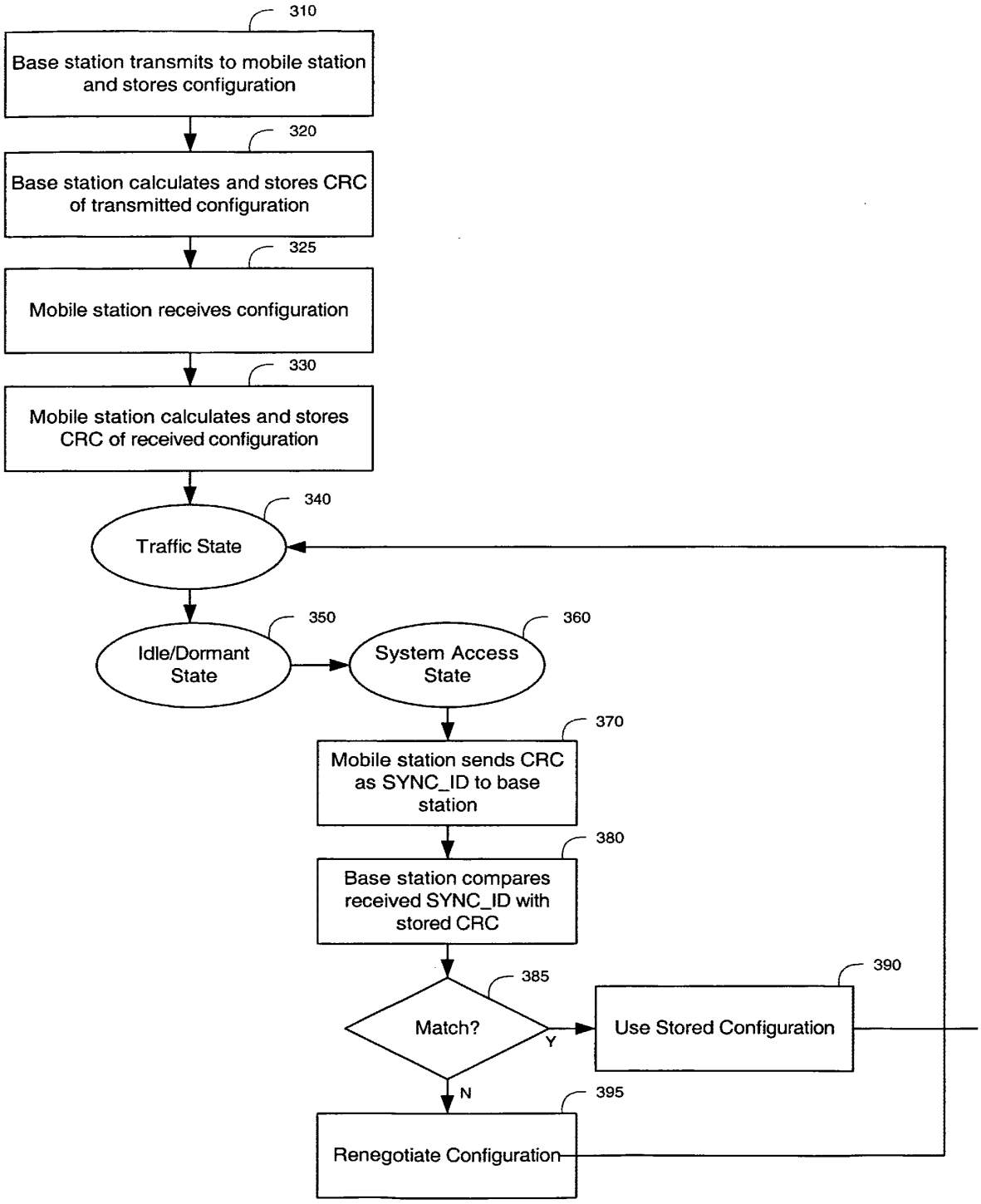

310
Base station transmits to mobile station and stores configuration
320
Base station calculates and stores CRC of transmitted configuration
325
Mobile station receives configuration
330
Mobile station calculates and stores CRC of received configuration
340
Traffic State
350
Idle/Dormant State
360
System Access State
370
Mobile station sends CRC as SYNC_ID to base station
380
Base station compares received SYNC_ID with stored CRC
385
Match?
Y
N
390
Use Stored Configuration
395
Renegotiate Configuration

FIG. 3

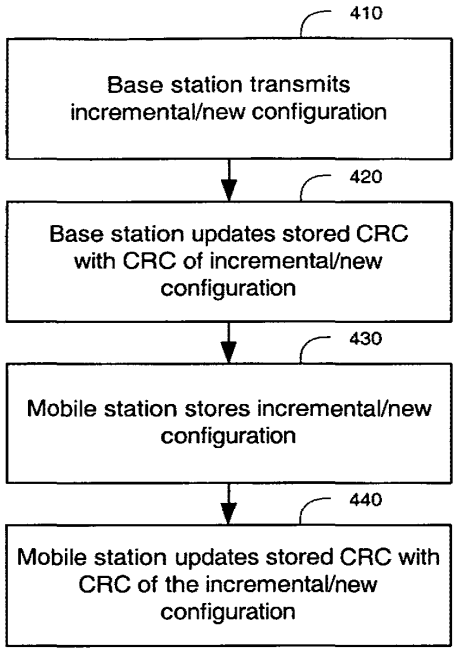

410
Base station transmits incremental/new configuration
420
Base station updates stored CRC with CRC of incremental/new configuration
430
Mobile station stores incremental/new configuration
440
Mobile station updates stored CRC with CRC of the incremental/new configuration

FIG. 4

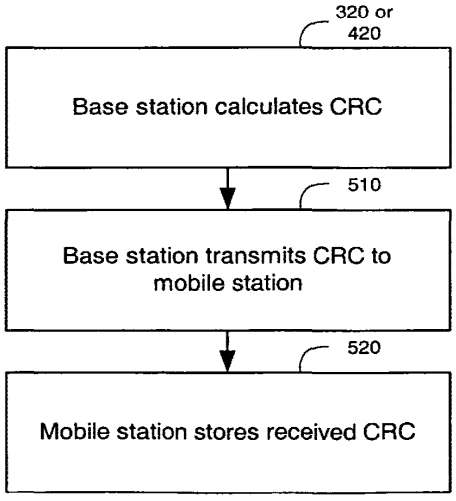

320 or 420
Base station calculates CRC
510
Base station transmits CRC to mobile station
520
Mobile station stores received CRC

FIG. 5

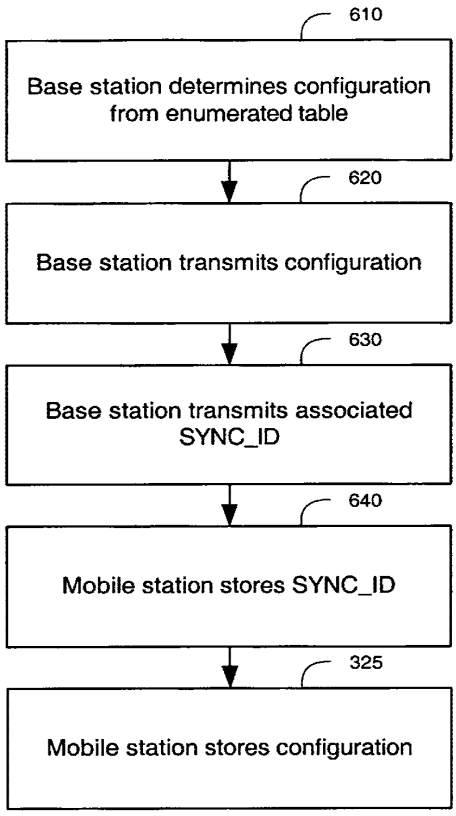

610
Base station determines configuration from enumerated table
620
Base station transmits configuration
630
Base station transmits associated SYNC_ID
640
Mobile station stores SYNC_ID
325
Mobile station stores configuration

FIG. 6

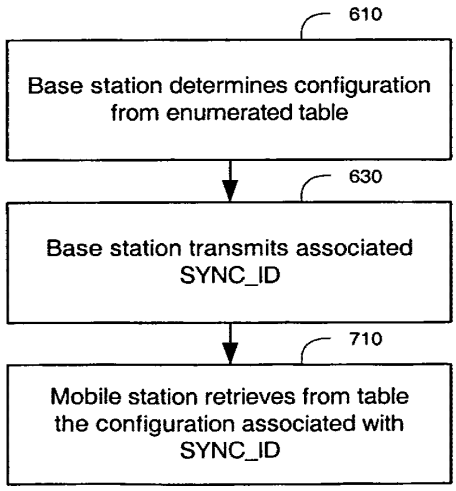

610
Base station determines configuration from enumerated table
630
Base station transmits associated SYNC_ID
710
Mobile station retrieves from table the configuration associated with SYNC_ID

FIG. 7

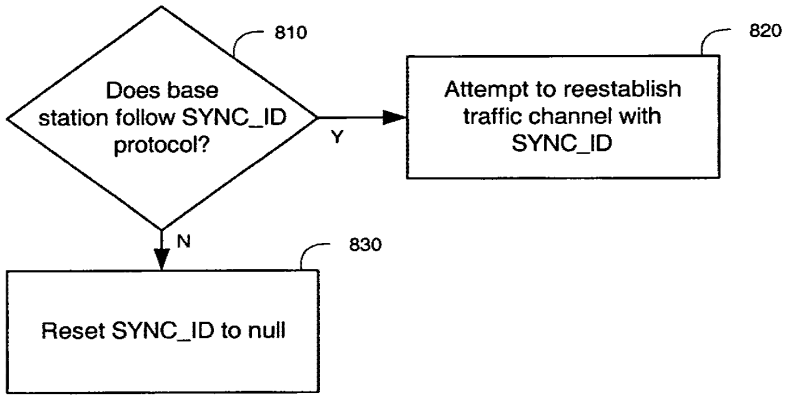

810
Does base station follow SYNC_ID protocol?
Y
820
Attempt to reestablish traffic channel with SYNC_ID
N
830
Reset SYNC_ID to null

FIG. 8

INTERNATIONAL SEARCH REPORT

Ir nal Application No
PCT/US 02/16105

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04Q7/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04Q H03M H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01 17283 A (ERICSSON TELEFON AB L M) 8 March 2001 (2001-03-08) page 4, line 10 - line 21; claims 1,2 abstract	1-38
Y	US 5 479 654 A (SQUIBB MARK) 26 December 1995 (1995-12-26) column 1, line 30 -column 4, line 29 abstract	1-38
A	US 5 109 403 A (SUTPHIN MELVIN W) 28 April 1992 (1992-04-28) column 8, line 3 -column 9, line 16	1-38
A	US 6 085 349 A (STEIN JEREMY M) 4 July 2000 (2000-07-04) abstract	1-38

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
11 October 2002	18/10/2002

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Dionisi, M

Form PCT/ISA/210 (second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

Information on patent family members

I onal Application No
PCT/US 02/16105

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0117283 A	08-03-2001	AU 7325900 A	26-03-2001
		EP 1206867 A2	22-05-2002
		WO 0117283 A2	08-03-2001
US 5479654 A	26-12-1995	CA 2094880 A1	27-10-1994
		AT 219844 T	15-07-2002
		AU 6552794 A	24-10-1994
		DE 69430866 D1	01-08-2002
		EP 1184787 A1	06-03-2002
		EP 0692121 A1	17-01-1996
		WO 9423377 A1	13-10-1994
US 5109403 A	28-04-1992	NONE	
US 6085349 A	04-07-2000	AU 9032998 A	16-03-1999
		CN 1276930 T	13-12-2000
		EP 1016222 A1	05-07-2000
		JP 2002519905 T	02-07-2002
		TW 390085 B	11-05-2000
		WO 9910984 A1	04-03-1999
		ZA 9807690 A	24-02-1999

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Petitioner's Exhibit 1013
Page 000191

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11171850	LIMONT ET AL.
	Examiner	**Art Unit**
	Sarah Su	2431

✓	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	02/20/2009	10/29/2009	03/30/2010						
	1	✓	✓	✓						
	2	✓	✓	✓						
	3	✓	✓	✓						
	4	✓	✓	✓						
	5	✓	-	-						
	6	✓	✓	✓						
	7	✓	✓	✓						
	8	✓	✓	✓						
	9	✓	✓	✓						
	10	✓	✓	-						
	11	✓	-	-						
	12	✓	✓	✓						
	13	✓	✓	✓						
	14	✓	✓	✓						
	15	✓	✓	✓						
	16	✓	✓	✓						
	17	✓	✓	✓						
	18	✓	✓	✓						
	19	✓	✓	✓						
	20	✓	✓	✓						

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11171850	LIMONT ET AL.
	Examiner	Art Unit
	Sarah Su	2431

SEARCHED			
Class	Subclass	Date	Examiner
726	3,6	10/29/09	SS

SEARCH NOTES		
Search Notes	Date	Examiner
PLUS Search	2/19/09	SS
Inventor Search	2/19/09	SS
EAST Search (see attached)	2/20/09	SS
EAST Search (see attached)	10/29/09	SS
EAST Search (see attached)	3/30/10	SS

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	98	(sync or synchroniz$5) same (verif$7 or check $3 or compar$3) with (policy or configuration or setting) same mobile	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/26 09:03
S2	4	(sync or synchroniz$5) with (email or electronic mail or e-mail) same (verif$7 or check$3 or compar$3) with (policy or configuration or setting) same mobile	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/26 10:22
S3	14	(sync or synchroniz$5) with (email or electronic mail or e-mail) same (verif$7 or check$3 or compar$3) with (policy or configuration or setting)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/26 10:27
S4	30	(sync or synchroniz$5) with (email or electronic mail or e-mail) same (verif$7 or check$3 or compar$3) same (policy or configuration or setting)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/26 10:31
S5	75	(sync or synchroniz$5) with (email or electronic mail or e-mail) same (verif$7 or check$3 or compar$3 or updat$3) same (policy or configuration or setting)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/26 10:31

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S6	103	(sync or synchroniz$5) with (email or electronic mail or e-mail or mail) same (verif$7 or check$3 or compar$3 or updat$3) same (policy or configuration or setting)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/26 12:33
S7	219811	(policy or configuration or setting) with (updat $3 or verif$7 or compar $3 or sync or synchroniz$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/26 12:39
S8	1285	(policy or configuration or setting) with (updat $3 or verif$7 or compar $3 or sync or synchroniz$5) with (electronic mail or mail or email or e-mail)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/26 12:39
S9	56	(policy or configuration or setting) with (updat $3 or verif$7 or compar $3 or sync or synchroniz$5) with (electronic mail or mail or email or e-mail) with mobile	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/26 12:39
S10	1	"7516478".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/29 08:53
S11	8	("20030008662" | "20060021059" | "20060075216" | "20060224742" | "20070143824" | "20070186275" | "5613206" | "7024491").PN. OR ("7516478").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/03/29 08:53
S12	405	(sync or synchroniz$5) with (email or electronic mail or e-mail or mail) same (policy or configuration or setting)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/29 11:29

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S13	8	(sync or synchroniz$5) with (email or electronic mail or e-mail or mail) same (policy or configuration or setting) with version	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/29 11:29
S14	11	(sync or synchroniz$5) same (email or electronic mail or e-mail or mail) same (policy or configuration or setting) with version	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/29 11:31
S15	171	(sync or synchroniz$5) with (email or electronic mail or e-mail or mail) with (policy or configuration or setting)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/29 11:32
S16	103	(sync or synchroniz$5) with (email or electronic mail or e-mail or mail) with (policy or configuration)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/29 11:49
S17	437	(email or electronic mail or e-mail or mail) with (policy or configuration) with (updat$3 or upgrad$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/29 15:23
S18	18	(sync or synchroniz$5) with (email or electronic mail or e-mail or mail) same (policy or configuration) with (updat$3 or upgrad$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/29 15:24
S19	3981	(mobile or iphone or ipad or ipod or blackberry or smartphone or smart phone) same (sync or synchroniz$5) same (policy or setting or configur$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/29 15:35
S20	2463	(mobile or iphone or ipad or ipod or blackberry or smartphone or smart phone) with (sync or synchroniz$5) same (policy or setting or configur$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/29 15:35

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S21	191	(mobile or iphone or ipad or ipod or blackberry or smartphone or smart phone) with (sync or synchroniz$5) same (policy or setting or configur$5) with (updat $3 or upgrad$3 or check$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/29 15:35
S22	191	(mobile or iphone or ipad or ipod or blackberry or smartphone or smart phone) with (sync or synchroniz$5) same ((policy or setting or configur$5) with (updat $3 or upgrad$3 or check$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/29 15:36
S23	121	(mobile or iphone or ipad or ipod or blackberry or smartphone or smart phone) with (sync or synchroniz$5) with ((policy or setting or configur$5) with (updat $3 or upgrad$3 or check$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/29 15:37
S24	153	(mobile or iphone or ipad or ipod or blackberry or smartphone or smart phone) with (sync or synchroniz$5 or push) with ((policy or setting or configur$5) with (updat$3 or upgrad$3 or check$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/29 15:38
S25	22	(mobile or iphone or ipad or ipod or blackberry or smartphone or smart phone) with (sync or synchroniz$5 or push) with ((policy or setting or configur$5) with version)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/30 08:37

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S26	1	"20030046434".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/30 12:00
S27	1	"20040123153".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/30 12:45
S28	9	"171850".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2010/03/30 14:39

EAST Search History (Interference)

< This search history is empty>

3/31/2010 3:20:33 PM
H:\11171850_Limont\11171850_ESearch_RCE3.wsp

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/171,850	06/30/2005	David P. Limont	13768.614	5452

22971 7590 01/29/2010

MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052-6399

EXAMINER	
SU, SARAH	
ART UNIT	**PAPER NUMBER**
2431	

NOTIFICATION DATE	DELIVERY MODE
01/29/2010	ELECTRONIC

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

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

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

roks@microsoft.com
ntovar@microsoft.com

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Interview Summary	Application No.	Applicant(s)	
	11/171,850	LIMONT ET AL.	
	Examiner	Art Unit	
	Sarah Su	2431	

All participants (applicant, applicant's representative, PTO personnel):

(1) *Sarah Su*. (3)_____.

(2) *Sung Kim (45,398)*. (4)_____.

Date of Interview: *25 January 2010*.

Type: a)☒ Telephonic b)☐ Video Conference
c)☐ Personal [copy given to: 1)☐ applicant 2)☐ applicant's representative]

Exhibit shown or demonstration conducted: d)☐ Yes e)☒ No.
If Yes, brief description: _____.

Claim(s) discussed: *1*.

Identification of prior art discussed: *Wright et al. (US 2004/0123153 A1)*.

Agreement with respect to the claims f)☐ was reached. g)☒ was not reached. h)☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: *Applicant's representative discussed proposed claim amendments with respect to the prior art Wright. Applicant's representative clarified that the invention's exchange of data between the mobile device and computer system is data other than the configuration information. The applicant's representative will file an appropriate response accordingly* .

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

/Sarah Su/ Examiner, Art Unit 2431	

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Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews
Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

———

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:
- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

1) A brief description of the nature of any exhibit shown or any demonstration conducted,
2) an identification of the claims discussed,
3) an identification of the specific prior art discussed,
4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
5) a brief identification of the general thrust of the principal arguments presented to the examiner,
   (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
6) a general indication of any other pertinent matters discussed, and
7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

PTO/SB/30EFS (03-09)
Approved for use through 03/31/2009. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	11/171,850	Filing Date	2005-06-30	Docket Number (if applicable)	312878.01	Art Unit	2431
First Named Inventor	David P. Limiont			Examiner Name	Sarah Su		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

- ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- ☐ Other _____

☒ Enclosed

- ☒ Amendment/Reply
- ☐ Information Disclosure Statement (IDS)
- ☐ Affidavit(s)/ Declaration(s)
- ☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____
(Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

☒ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**
The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 500463

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (03-09)
Approved for use through 03/31/2009. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/Sung T. Kim/	Date (YYYY-MM-DD)	2010-01-27
Name	Sung T. Kim	Registration Number	45398

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

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

Privacy Act Statement

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

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

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

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.

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Page 000204

Electronic Patent Application Fee Transmittal

Application Number:	11171850
Filing Date:	30-Jun-2005
Title of Invention:	Enforcing device settings for mobile devices
First Named Inventor/Applicant Name:	David P. Limont
Filer:	David Bartley Eppenauer/Rimma Oks
Attorney Docket Number:	13768.614

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Request for continued examination	1801	1	810	810
		Total in USD ($)		**810**

Electronic Acknowledgement Receipt

EFS ID:	6891126
Application Number:	11171850
International Application Number:	
Confirmation Number:	5452
Title of Invention:	Enforcing device settings for mobile devices
First Named Inventor/Applicant Name:	David P. Limont
Customer Number:	22971
Filer:	David Bartley Eppenauer/Rimma Oks
Filer Authorized By:	David Bartley Eppenauer
Attorney Docket Number:	13768.614
Receipt Date:	27-JAN-2010
Filing Date:	30-JUN-2005
Time Stamp:	14:42:31
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$810
RAM confirmation Number	924
Deposit Account	500463
Authorized User	

File Listing:

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

1		312878-01-Response-FOA-11-6-09-filed-01-27-2010.pdf	123497 7e99255c1827caadcfd1908a0687b6611b9d7cc6	yes	15

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment After Final	1	1
	Claims	2	7
	Applicant Arguments/Remarks Made in an Amendment	8	15

Warnings:					
Information:					
2	Request for Continued Examination (RCE)	312878-01-RCE-as-filed-01-27-2010.pdf	36225 46c3c6074021ab29e7d3c135950678255d7f57e7	no	3
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
3	Fee Worksheet (PTO-875)	fee-info.pdf	29947 e49e9e1fdd849b226c0c3dc90552ca00952bf9a9	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	189669		

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

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

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: David P. Limont
Application No.: 11/171,850
Filed: June 30, 2005
Customer No.: 22971
Attorney Docket No.: 312878.01
Group Art Unit: 2431
Examiner: Sarah Su
Confirmation Number: 5452
Title: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

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

AMENDMENT

Sir:

This communication is responsive to the final Office Action mailed November 6, 2009. Please amend the present application as follows:

Amendments to the Claims are reflected in the listing of claims that begins on page 2 of this paper.

Remarks begin on page 8 of this paper.

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application. Applicants have submitted a new complete claim set showing any marked up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Listing of Claims:

1. (Currently Amended) At a computer system that maintains data accessible to mobile devices, a method for enforcing an appropriate mobile device configuration prior to permitting a mobile device to access the maintained data, the method comprising:

~~an act of~~ receiving at the computer system a sync request from the mobile device, the sync request requesting that the mobile device be permitted to access the data maintained by the computer system in order to sync data between the mobile device and the computer system, the sync request indicating a current mobile device configuration of the mobile device and including a configuration version corresponding to the current mobile device configuration, the data maintained by the computer system comprising electronic mail data;

~~an act of~~ determining that the current mobile device configuration is not appropriate for accessing the maintained data, wherein the act of determining that the current mobile device configuration is not appropriate for accessing the maintained data comprises ~~an act of~~ comparing the configuration version included in the received sync request to one or more configuration versions stored at the computer system representing appropriate configurations for accessing the maintained data;

~~an act of~~ sending device configuration settings to the mobile device, the device configuration settings representing a new mobile device configuration that is appropriate for accessing the maintained data;

~~an act of~~ receiving an indication that the mobile device is configured in accordance with

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the device configuration settings subsequent to sending the device configuration settings to the mobile device; and

~~an act of~~ permitting the mobile device to access the maintained data in response to receiving the indication that the mobile device is configured in accordance with the device configuration settings.

2. (Currently Amended) The method as recited in claim 1, wherein ~~the act of~~ receiving the sync request from the mobile device comprises ~~an act of~~ receiving a request that was sent in accordance with HTTP.

3. (Currently Amended) The method as recited in claim 1, wherein ~~the act of~~ receiving the request from the mobile device comprises ~~an act of~~ receiving a request for a Web page.

4. (Currently Amended) The method as recited in claim 1, wherein ~~the act of~~ receiving the sync request from the mobile device comprises ~~an act of~~ receiving a request from a mobile device selected from among a mobile telephone, a PDA, and a watch.

5. (Canceled)

6. (Currently Amended) The method as recited in claim 1, wherein ~~the act of~~ sending device configuration settings to the mobile device comprises sending configuration settings that are designated to alter the current configuration of one or more of an operating system, an application program, hardware, allocated resources, a network interface, and wireless protocol settings, at the mobile device.

7. (Currently Amended) The method as recited in claim 1, wherein ~~the act of~~ receiving the indication that the mobile device is configured in accordance with the device configuration settings comprises ~~an act of~~ comparing a received configuration version to one or more

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configuration versions representing appropriate configurations for accessing the maintained data.

8. (Currently Amended) The method as recited in claim 1, further comprises:

~~an act of~~ notifying the mobile device that access to the maintained data has been permitted.

9. (Currently Amended) At a computer system that maintains data accessible to mobile devices, a method for enforcing mobile device access policies prior to permitting mobile device access to the maintained data, the method comprising:

~~an act of~~ receiving at the computer system a data command from a mobile device, the data command including a policy version and a sync request to access~~for~~ data maintained at the computer system in order to sync data between the mobile device and the computer system, the policy version representing current policy settings at the mobile device, the data maintained at the computer system comprising electronic mail data;

~~an act of~~ determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system, wherein ~~the act of~~ determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises ~~an act of~~ comparing the policy version included in the received data command to one or more policy versions stored at the computer system representing appropriate policy settings for accessing the maintained data;

~~an act of~~ notifying the mobile device that the current policy settings are not appropriate for accessing the maintained data;

~~an act of~~ receiving a policy request from the mobile device, the policy request requesting policy settings that are appropriate for accessing the maintained data;

~~an act of~~ identifying updated policy settings that are appropriate for accessing the maintained data;

~~an act of~~ sending the updated policy settings along with a corresponding updated policy version to the mobile device, the updated policy version representing the updated policy settings;

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~~an act of~~ receiving a data request along with the updated policy version from the mobile device, the data request requesting that the mobile device be permitted to access the maintained data, the updated policy version indicating that the mobile device is configured in accordance with the updated policy settings; and

~~an act of~~ notifying the mobile device that access to the maintained data has been permitted.

10. (Canceled)

11. (Canceled)

12. (Currently Amended) The method as recited in claim 9, wherein ~~the act of~~ determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises ~~an act of~~ determining that the mobile device does not support policy settings.

13. (Currently Amended) The method as recited in claim 9, wherein ~~the act of~~ determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises ~~an act of~~ determining that the mobile device does not support PIN lock.

14. (Currently Amended) The method as recited in claim 9, wherein ~~the act of~~ receiving the policy request from the mobile device comprises ~~an act of~~ receiving a policy request for policy settings that are appropriate for accessing electronic mail data.

15. (Currently Amended) The method as recited in claim 9, wherein ~~the act of~~ receiving the policy request from the mobile device comprises ~~an act of~~ receiving a policy request from the mobile device selected from among a mobile telephone, a PDA, and a watch.

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16. (Currently Amended) The method as recited in claim 9, wherein ~~the act of~~ identifying the updated policy settings that are appropriate for accessing the maintained data comprises ~~an act~~ identifying one or more of PIN lock settings, storage wipe settings, periodic enforcement settings, and policy exceptions.

17. (Currently Amended) The method as recited in claim 9, wherein ~~the act of~~ sending the updated policy settings along with the corresponding updated policy version to the mobile device comprises ~~an act of~~ sending one or more of PIN lock settings, storage wipe settings, periodic enforcement settings, and policy exceptions.

18. (Currently Amended) The method as recited in claim 9, wherein ~~the act of~~ receiving the data request along with the updated policy version from the mobile device comprises ~~an act of~~ receiving a policy version indicating that a user of the mobile device is at least temporarily excepted from policy compliance.

19. (Currently Amended) The method as recited in claim 9, further comprising:

~~an act of~~ initiating a remote storage wipe of the mobile device.

20. (Currently amended) A computer-program product for use at a computer system that maintains data accessible to mobile devices, the computer program product for implementing a method for enforcing mobile device access policies prior to permitting mobile device access to the maintained data, the computer program product comprising one or more computer-readable storage media having stored thereon computer-executable instructions that, when executed by a processor, cause the computer system to perform the following:

receive at the computer system a data command from a mobile device, the data command including a policy version and a sync request to access~~for~~ data maintained at the computer system in order to sync data between the mobile device and the computer system, the policy

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version representing current policy settings at the mobile device, the data maintained at the computer system comprising electronic mail data;

determine that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system, wherein determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises an act of comparing the policy version included in the received data command to one or more policy versions stored at the computer system representing appropriate policy settings for accessing the maintained data;

notify the mobile device that the current policy settings are not appropriate for accessing the maintained data;

receive a policy request from the mobile device, the policy request requesting policy settings that are appropriate for accessing the maintained data;

identify updated policy settings that are appropriate for accessing the maintained data;

send the updated policy settings along with a corresponding updated policy version to the mobile device, the updated policy version representing the updated policy settings;

receive a data request along with the updated policy version from the mobile device, the data request requesting that the mobile device be permitted to access the maintained data, the updated policy version indicating that the mobile device is configured in accordance with the updated policy settings; and

notify the mobile device that access to the maintained data has been permitted.

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REMARKS

Reconsideration and allowance of the claims are requested in view of the above amendments and the following remarks. Claims 1-4, 6-9 and 12-20 have been amended. Support for the amendments may be found in the specification and claims as originally filed. For example, support for the claim amendments may be found in the present specification at least at paragraphs 54 and 58 and claim 10 as originally filed. No new matter has been added.

Upon entry of this amendment, claims 1-4, 6-9 and 12-20 are pending with claims 1, 9 and 20 being independent. Claims 5, 10 and 11 have been canceled without prejudice or disclaimer.

Applicants thank Examiner Su for the courtesies extended to applicants' representative, Mr. Sung Kim, during a telephonic interview conducted on January 25, 2010. The substance of the interview is incorporated in the following remarks.

1. Rejections Under 35 U.S.C. §103

A. Rejections Based on Albert et al. and Wright et al.

The Office Action rejects claims 1, 3, 4, 6 and 7 under 35 U.S.C. §103(a) as being unpatentable over Albert et al. (2003/0177389) in view of Wright et al. (2004/0123153). Applicants respectfully traverse this rejection for at least the following reasons.

The Office Action on pages 3-4 concedes that Albert et al. fails to specifically disclose the features of "an act of receiving at the computer system a request from the mobile device, the request requesting that the mobile device be permitted to access the data maintained by the computer system, the request indicating a current mobile device configuration of the mobile device and including a configuration version corresponding to the current mobile device configuration". However, the Office Action asserts that Wright et al. discloses these features (citing paragraph 128, lines 5-10).

Wright et al. discloses that each of client mobile devices sends a status request upon network access starting up to the server system. The status request provides information

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regarding the client mobile device, examples of which are authorization information, policies and their version numbers resident on the device, and diagnostic information (see paragraph 128, lines 5-10). Additionally, Wright et al. discloses that responsive to a network connection being activated, the authorization module 245 on the client device sends 334 sends a status request checking if new security information is available along with authorization information to the server system 200 (see paragraph 129, lines 7-11).

Therefore, Wright et al. at most teaches a client mobile device that sends a status request to a server system, where the status request checks whether new security information is available at the server system. However, as discussed during the interview, the status request in Wright et al. is not a **sync request**, where the sync request requests access to data maintained by a computer system in order to sync data between a mobile device and the computer system. Furthermore, the status request in Wright et al. merely checks for new security information. However, as discussed during the interview, the status request in Wright et al. does not request electronic mail data.

As a result, Albert et al. and Wright et al. fail to teach or suggest at least the following elements of independent claim 1 (emphasis added):

> 1. At a computer system that maintains data accessible to mobile devices, a method for enforcing an appropriate mobile device configuration prior to permitting a mobile device to access the maintained data, the method comprising:
>
> receiving at the computer system a sync request from the mobile device, the sync request requesting that the mobile device be permitted to access the data maintained by the computer system in order to sync data between the mobile device and the computer system, the sync request indicating a current mobile device configuration of the mobile device and including a configuration version corresponding to the current mobile device configuration, the data maintained by the computer system comprising electronic mail data;
>
> . . .

Therefore, since Albert et al. and Wright et al., alone or in combination, fail to disclose or suggest each and every element of independent claim 1 as amended, this claim is allowable.

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Claims 3, 4, 6 and 7 depend from claim 1. As discussed above, claim 1 is allowable. For at least this reason, and the features recited therein, claims 3, 4, 6 and 7 are also allowable.

For at least the above reasons, reconsideration and withdrawal of the rejection of claims 1, 3, 4, 6 and 7 under 35 U.S.C. §103(a) are respectfully requested.

B. Rejections Based on Albert et al., Wright et al. and Engle et al.

The Office Action rejects claims 2, 8-10, 12, 14-17 and 20 under 35 U.S.C. §103(a) as being unpatentable over Albert et al. in view of Wright et al., and further in view of Engle et al. (2007/0101405). Applicants respectfully traverse this rejection for at least the following reasons.

As discussed above, Albert et al. and Wright et al. fail to disclose or suggest the features of receiving at a computer system a sync request from a mobile device, the sync request requesting that the mobile device be permitted to access the data maintained by the computer system in order to sync data between the mobile device and the computer system, where the data maintained by the computer system comprises electronic mail data. Engle et al. fails to cure this defect.

Engle et al. discloses receiving an access request from a remote computer, and then requesting and receiving information representing a configuration state of the remote computer (see paragraph 12, lines 3-7). However, Engle et al. fails to disclose or suggest at least the features of receiving at a computer system a sync request from a mobile device, the sync request requesting that the mobile device be permitted to access the data maintained by the computer system in order to sync data between the mobile device and the computer system, where the data maintained by the computer system comprises electronic mail data. Engle et al. also fails to disclose or suggest at least the features of receiving at a computer system a data command from a mobile device, the data command including a policy version and a sync request to access data maintained at the computer system in order to sync data between the mobile device and the computer system, where the data maintained at the computer system comprises electronic mail data.

As a result, Albert et al., Wright et al. and Engle et al. fail to teach or suggest at least the

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following elements of independent claims 1, 9 and 20, respectively (emphasis added):

> 1. At a computer system that maintains data accessible to mobile devices, a method for enforcing an appropriate mobile device configuration prior to permitting a mobile device to access the maintained data, the method comprising:
>
> receiving at the computer system a sync request from the mobile device, the sync request requesting that the mobile device be permitted to access the data maintained by the computer system in order to sync data between the mobile device and the computer system, the sync request indicating a current mobile device configuration of the mobile device and including a configuration version corresponding to the current mobile device configuration, the data maintained by the computer system comprising electronic mail data;
>
> . . .
>
> 9. At a computer system that maintains data accessible to mobile devices, a method for enforcing mobile device access policies prior to permitting mobile device access to the maintained data, the method comprising:
>
> receiving at the computer system a data command from a mobile device, the data command including a policy version and a sync request to access data maintained at the computer system in order to sync data between the mobile device and the computer system, the policy version representing current policy settings at the mobile device, the data maintained at the computer system comprising electronic mail data;
>
> . . .
>
> 20. A computer-program product for use at a computer system that maintains data accessible to mobile devices, the computer program product for implementing a method for enforcing mobile device access policies prior to permitting mobile device access to the maintained data, the computer program product comprising one or more computer-readable storage media having stored thereon computer-executable instructions that, when executed by a processor, cause the computer system to perform the following:
>
> receive at the computer system a data command from a mobile device, the data command including a policy version and a sync request to access data maintained at the computer system in order to sync data between the mobile device and the computer

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system, the policy version representing current policy settings at the mobile device, the data maintained at the computer system comprising electronic mail data;

. . .

Therefore, since Albert et al., Wright et al. and Engle et al., alone or in combination, fail to disclose or suggest each and every element of independent claims 1, 9 and 20, these claims are allowable over the cited references.

Claims 2 and 8 depend from claim 1. Claims 12 and 14-17 depend from claim 9. As discussed above, claims 1 and 9 are allowable. For at least this reason, and the additional features recited therein, claims 2, 8, 12 and 14-17 are also allowable.

Since claim 10 has been canceled, the rejection of this claim is rendered moot.

For at least the reasons above, reconsideration and withdrawal of the rejection of claims 2, 8-10, 12, 14-17 and 20 under 35 U.S.C. §103(a) are respectfully requested.

C. Rejections Based on Albert et al., Wright et al., Engle et al. and Patanella

The Office Action rejects claim 13 under 35 U.S.C. §103(a) as being unpatentable over Albert et al., in view of Wright et al., in view of Engle et al., and further in view of Patanella (2004/0193907). Applicants respectfully traverse this rejection for at least the following reasons.

As discussed above, Albert et al., Wright et al. and Engle et al. fail to disclose or suggest each and every element of independent claim 9. Patanella fails to cure this defect.

The Office Action cites Patanella primarily for its alleged teaching that a security policy can be implemented by a corporation in accordance with standards such as ISO-17799, which require that best practices are met which address remote access vulnerabilities. One example might be that the policy requires two-factor authentication (such as a personal password as well as a SecureID token password) before allowing a remote connection to the corporate network (see paragraph 47). However, Patanella fails to disclose or suggest the features discussed above with respect to independent claim 9.

Therefore, since Albert et al., Wright et al., Engle et al. and Patanella, alone or in

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combination, fail to disclose or suggest each and every element of independent claim 9, this claim is allowable over the cited references.

Claim 13 depends from claim 9. As discussed above, claim 9 is allowable. For at least this reason, and the additional features recited therein, claim 13 is also allowable.

For at least the reasons above, reconsideration and withdrawal of the rejection of claim 13 under 35 U.S.C. §103(a) are respectfully requested.

D. Rejections Based on Albert et al., Wright et al., Engle et al. and Herrmann et al.

The Office Action rejects claim 18 under 35 U.S.C. §103(a) as being unpatentable over Albert et al., in view of Wright et al., in view of Engle et al., and further in view of Herrmann et al. (2003/0055994). Applicants respectfully traverse this rejection for at least the following reasons.

As discussed above, Albert et al., Wright et al. and Engle et al. fail to disclose or suggest each and every element of independent claim 9. Herrmann et al. fails to cure this defect.

The Office Action cites Herrmann et al. primarily for its alleged teaching that if a client is out of compliance, a restrictive policy is generally applied. A gateway server 350 may include one or more predefined policies that define what access is to be afforded to non-compliant clients. Access policies may be tailored for particular clients or groups and applied by the gateway server (see paragraph 79). However, Herrmann et al. fails to disclose or suggest the features discussed above with respect to independent claim 9.

Therefore, since Albert et al., Wright et al., Engle et al. and Herrmann et al., alone or in combination, fail to disclose or suggest each and every element of independent claim 9, this claim is allowable over the cited references.

Claim 18 depends from claim 9. As discussed above, claim 9 is allowable. For at least this reason, and the additional features recited therein, claim 18 is also allowable.

For at least the reasons above, reconsideration and withdrawal of the rejection of claim 18 under 35 U.S.C. §103(a) are respectfully requested.

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E. Rejections Based on Albert et al., Wright et al., Engle et al. and Shahbazi

The Office Action rejects claim 19 under 35 U.S.C. §103(a) as being unpatentable over Albert et al., in view of Wright et al., in view of Engle et al., and further in view of Shahbazi (WO2004/021114A2). Applicants respectfully traverse this rejection for at least the following reasons.

As discussed above, Albert et al., Wright et al. and Engle et al. fail to disclose or suggest each and every element of independent claim 9. Shahbazi fails to cure this defect.

The Office Action cites Shahbazi primarily for its alleged teaching that if a computing node 102 is not authorized, a node security program 202 can lock the mobile device, for example, by transmitting a device security application to be executed at the unauthorized mobile device, wipe or erase data on the device, or require system administrator intervention (see pg. 13, lines 17-21). However, Shahbazi fails to disclose or suggest the features discussed above with respect to independent claim 9.

Therefore, since Albert et al., Wright et al., Engle et al. and Shahbazi, alone or in combination, fail to disclose or suggest each and every element of independent claim 9, this claim is allowable over the cited references.

Claim 19 depends from claim 9. As discussed above, claim 9 is allowable. For at least this reason, and the additional features recited therein, claim 19 is also allowable.

For at least the reasons above, reconsideration and withdrawal of the rejection of claim 19 under 35 U.S.C. §103(a) are respectfully requested.

2. <u>Conclusion</u>

Accordingly, in view of the above amendment and remarks it is submitted that the claims are patentably distinct over the cited art and that all the rejections to the claims have been overcome. Reconsideration and reexamination of the present application is requested. Based on the foregoing, applicants respectfully request that the pending claims be allowed, and that a timely Notice of Allowance be issued in this case. If the Examiner believes, after this

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amendment, that the application is not in condition for allowance, the Examiner is requested to call the applicants' attorney at the telephone number listed below.

If this response is not considered timely filed and if a request for an extension of time is otherwise absent, applicants hereby request any necessary extension of time. If there is a fee occasioned by this response, including an extension fee that is not covered by an enclosed check please charge any deficiency to Deposit Account No. 50-0463.

Respectfully submitted,
Microsoft Corporation

Date: January 25, 2010

By: /Sung T. Kim/

Sung T. Kim, Reg. No.: 45,398
Attorney for Applicant
Direct telephone: (703) 647-6574
Microsoft Corporation
One Microsoft Way
Redmond WA 98052-6399

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being electronically deposited with the USPTO via EFS-Web on the date shown below:

January 27, 2010
Date

/Rimma N. Oks/
Rimma N. Oks

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PTO/SB/06 (07-06)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
11/171,850	06/30/2005	

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

APPLICATION AS AMENDED – PART II

AMENDMENT	01/27/2010	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 17	Minus	** 20	= 0	X $ =		OR	X $52=	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $ =		OR	X $220=	0
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	0

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

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

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

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

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

Legal Instrument Examiner:
/JACQULYN L. WILLIAMS/

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

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/171,850	06/30/2005	David P. Limont	13768.614	5452

22971 7590 11/06/2009

MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052-6399

EXAMINER	
SU, SARAH	
ART UNIT	**PAPER NUMBER**
2431	

NOTIFICATION DATE	DELIVERY MODE
11/06/2009	ELECTRONIC

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

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

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

roks@microsoft.com
ntovar@microsoft.com

IPR2024-00809
Petitioner's Exhibit 1013
Page 000225

Office Action Summary	Application No.	Applicant(s)	
	11/171,850	LIMONT ET AL.	
	Examiner	Art Unit	
	Sarah Su	2431	

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

Period for Reply

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

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

Status

1)☒ Responsive to communication(s) filed on *24 July 2009*.

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

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

Disposition of Claims

4)☒ Claim(s) *1-4,6-10 and 12-20* is/are pending in the application.

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

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-4,6-10 and 12-20* is/are rejected.

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

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

Application Papers

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

10)☒ The drawing(s) filed on *24 July 2009* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

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

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

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

Priority under 35 U.S.C. § 119

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

a)☐ All b)☐ Some * c)☐ None of:

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

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

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

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

Attachment(s)

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

FINAL ACTION

1. Amendment A, received on 24 July 2009, has been entered into record. In this amendment, claims 1-4, 6-10, and 12-20 have been amended, and claims 5 and 11 have been canceled.

2. Claims 1-4, 6-10, and 12-20 are presented for examination.

Response to Arguments

3. With respect to the objections to the specification and drawings, the applicant has submitted amendments, and the examiner hereby withdraws the objections.

4. With respect to the objections to the claims, the applicant has submitted claim amendments, and the examiner hereby withdraws the objections.

5. Applicant's arguments with respect to the rejection of claim 20 under 35 USC 101 have been fully considered and are persuasive. The rejection of 25 March 2009 has been withdrawn.

6. Applicant's arguments with respect to claims 1-20 have been considered but are moot in view of the new ground(s) of rejection.

Drawings

7. The drawings were received on 24 July 2009. These drawings are acceptable.

Claim Rejections - 35 USC § 103

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

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

9. Claims 1, 3, 4, 6, and 7 rejected under 35 U.S.C. 103(a) as being unpatentable over Albert et al. (US 2003/0177389 A1 and Albert hereinafter) in view of Wright et al. (US 2004/0123153 A1 and Wright hereinafter).

As to claim 1, Albert discloses a system and method for security policy arbitration, the system and method having:

an act of sending device configuration settings to the mobile device, the device configuration settings representing a new mobile device configuration that is appropriate for accessing the maintained data (0072, lines 16-21)**;**

an act of receiving an indication that the mobile device is configured in accordance (i.e. confirming compliance) **with the device configuration settings subsequent to sending the device configuration settings to the mobile device** (0096, lines 1-8)**;**

an act of permitting the mobile device to access the maintained data in response to receiving the indication that the mobile device is configured in accordance with the device configuration settings (0025, lines 11-13)**.**

Albert fails to specifically disclose:

an act of receiving at the computer system a request from the mobile device, the request requesting that the mobile device be permitted to access the data maintained by the computer system, the request indicating a current mobile device configuration of the mobile device and including a configuration version corresponding to the current mobile device configuration;

an act of determining that the current mobile device configuration is not appropriate for accessing the maintained data, wherein the act of determining that the current mobile device configuration is not appropriate for accessing the maintained data comprises an act of comparing the configuration version included in the received request to one or more configuration versions stored at the computer system representing appropriate configurations for accessing the maintained data.

Nonetheless, these features are well known in the art and would have been an obvious modification of the teachings disclosed by Albert, as taught by Wright.

Wright discloses a system and method for protecting data accessible by a mobile device, the system and method having:

an act of receiving at the computer system (i.e. server system) **a request** (i.e. status request) **from the mobile device, the request requesting that the mobile device be permitted to access the data maintained by the computer system, the request indicating a current mobile device**

configuration of the mobile device and including a configuration version corresponding to the current mobile device configuration (0128, lines 5-10)**;**

an act of determining that the current mobile device configuration is not appropriate for accessing the maintained data, wherein the act of determining that the current mobile device configuration is not appropriate for accessing the maintained data comprises an act of comparing the configuration version included in the received request to one or more configuration versions stored at the computer system representing appropriate configurations for accessing the maintained data (0047, lines 13-16, 23-27; 0128, lines 17-25; 0139, lines 1-2; 0140, lines 1-2; 0141, lines 1-2)**.**

Given the teaching of Wright, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert with the teachings of Wright by using a received configuration version to determine if access is allowed. Wright recites motivation by disclosing that setting a security policy based on security features would allow ease of use allowing users to move between different environments without needing to manually change security parameters and provide a centralized approach to the administration of security policies (0010, lines 9-22). It is obvious that the teachings of Wright would have improved the teachings of Albert by using a received configuration version to determine if access by a mobile device is allowed in order to provide for a centralized implementation of security.

As to claim 3, Albert discloses:

wherein the act of receiving the request from the mobile device comprises an act of receiving a request for a Web page (0083, lines 11-15)**.**

As to claim 4, Albert discloses:

wherein the act of receiving the request from the mobile device comprises an act of receiving a request from a mobile device selected from among a PDA (0071, lines 1-6) but does not disclose where the mobile device is selected from a mobile telephone or a watch.

Albert teaches that the client device may be another type of computing device (0071, lines 1-4). It would have been obvious to one of ordinary skill in the art at the time the invention was made to use a mobile telephone or a watch as a mobile device since they are both types of computing devices.

As to claim 6, Albert discloses:

wherein the act of sending device configuration settings to the mobile device comprises sending configuration settings that are designated to alter the current configuration of one or more of an operating system, an application program, hardware, allocated resources, a network interface, and wireless protocol settings, at the mobile device (0020, lines 8-11; 0072, lines 16-21)**.**

As to claim 7, Albert discloses:

> **wherein the act of receiving the indication that the mobile device is configured in accordance with the device configuration settings comprises an act of comparing a received configuration version to one or more configuration versions representing appropriate configurations for accessing the maintained data** (0066, lines 11-16)**.**

10. Claims 2, 8, 9, 10, 12, 14-17, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Albert in view of Wright as applied to claim 1 above, and further in view of Engle et al. (US 2007/0101405 A1 and Engle hereinafter).

As to claim 2, Albert in view of Wright fails to specifically disclose:

> **wherein the act of receiving the request from the mobile device comprises an act of receiving a request that was sent in accordance with HTTP.**

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert in view of Wright, as taught by Engle. Engle discloses a system and method for secure network connectivity, the system and method having:

> **wherein the act of receiving the request from the mobile device comprises an act of receiving a request that was sent in accordance with HTTP** (0027, lines 3-8; 0038, lines 11-12)**.**

Given the teaching of Engle, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert in view of Wright with the teachings of Engle by receiving an HTTP request. Engle recites motivation by disclosing that providing a URL in HTTP is a safe way to point the user to a web page that describes in more detail conditions that must be satisfied before access is given (0042, lines 4-9). It is obvious that the teachings of Engle would have improved the teachings of Albert in view of Wright by receiving an HTTP request in order to provide a safe way to implement conditions required for access.

As to claim 8, Albert in view of Wright fails to specifically disclose:

> **an act of notifying the mobile device that access to the maintained data has been permitted.**

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert, as taught by Engle.

Engle discloses:

> **an act of notifying** (i.e. transmit token) **the mobile device that access to the maintained data has been permitted** (0018, lines 7-9)**.**

Given the teaching of Engle, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert in view of Wright with the teachings of Engle by notifying that access is allowed. Engle recites motivation by disclosing that a token must be

presented in order for a bridge server to allow access to a network (0018, lines 10-13). It is obvious that the teachings of Engle would have improved the teachings of Albert in view of Wright by notifying a device that access is allowed in order to indicate that the token can be sent to a server for access.

As to claims 9 and 20, Albert discloses:

> **an act of identifying updated policy settings that are appropriate for accessing the maintained data** (0047, lines 8-15)**;**
>
> **an act of sending the updated policy settings along with a corresponding updated policy version to the mobile device, the updated policy version representing the updated policy settings** (0072, lines 16-21)**;**
>
> **an act of receiving a data request along with the updated policy version from the mobile device, the data request requesting that the mobile device be permitted to access the maintained data, the updated policy version indicating that the mobile device is configured in accordance with the updated policy settings** (0025, lines 4-8; 0071, lines 32-36; 0096, lines 1-8)**.**

Albert fails to specifically disclose:

> **an act of receiving at the computer system a data command from a mobile device, the data command including a policy version and a request for data maintained at the computer system, the policy version representing the current policy settings at the mobile device**;

an act of determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system, wherein the act of determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises an act of comparing the policy version included in the received data command to one or more policy versions stored at the computer system representing appropriate policy settings for accessing the maintained data;

an act of notifying the mobile device that the current policy settings are not appropriate for accessing the maintained data;

an act of receiving a policy request from the mobile device, the policy request requesting policy settings that are appropriate for accessing the maintained data;

an act of notifying the mobile device that access to the maintained data has been permitted.

Nonetheless, these features are well known in the art and would have been an obvious modification of the teachings disclosed by Albert, as taught by Wright.

Wright discloses:

an act of receiving at the computer system (i.e. server system) **a data command from a mobile device, the data command including a policy version and a request for data maintained at the computer system, the**

policy version representing the current policy settings at the mobile device (0128, lines 5-10);

an act of determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system, wherein the act of determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises an act of comparing the policy version included in the received data command to one or more policy versions stored at the computer system representing appropriate policy settings for accessing the maintained data (0047, lines 13-16, 23-27; 0128, lines 17-25; 0139, lines 1-2; 0140, lines 1-2; 0141, lines 1-2)**;**

an act of receiving a policy request from the mobile device, the policy request requesting policy settings that are appropriate for accessing the maintained data (0144, lines 1-4; 0145, lines 1-4)**.**

Given the teaching of Wright, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert with the teachings of Wright by using a received configuration version to determine if access is allowed. Please refer to the motivation recited above with respect to claim 1 as to why it is obvious to apply the teachings of Wright to the teachings of Albert.

Albert in view of Wright fails to specifically disclose:

an act of notifying the mobile device that the current policy settings are not appropriate for accessing the maintained data;

an act of notifying the mobile device that access to the maintained data has been permitted.

Nonetheless, these features are well known in the art and would have been an obvious modification of the teachings disclosed by Albert in view of Wright, as taught by Engle. Engle discloses:

an act of notifying (i.e. requesting) **the mobile device that the current policy settings are not appropriate for accessing the maintained data** (0012, lines 10-12)**;**

an act of notifying (i.e. transmit token) **the mobile device that access to the maintained data has been permitted** (0018, lines 7-9)**.**

Given the teaching of Engle, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert in view of Wright with the teachings of Engle by requesting an appropriate policy and notifying the device that access is allowed. Engle recites motivation by disclosing that requesting a policy allows a non-compliant client to become compliant (0009, lines 1-4). It is obvious that the teachings of Engle would have improved the teachings of Albert in view of Wright by requesting an appropriate policy if non-compliance is determined in order to allow an initially non-compliant client to be given access. Please also refer to the motivation recited above in respect to claim

8 as to why it is obvious to apply the teachings of Engle to the teachings of Albert in view of Wright.

As to claim 10, Albert in view of Wright fails to specifically disclose:

> **wherein the act of receiving the data command from the mobile device comprises an act of receiving a request for electronic mail data.**

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert in view of Wright, as taught by Engle. Engle discloses:

> **wherein the act of receiving the data command from the mobile device comprises an act of receiving a request for electronic mail data** (0027, lines 9-13; 0012, lines 3-4)**.**

Given the teaching of Engle, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert in view of Wright with the teachings of Engle by requesting electronic mail. Engle recites motivation by disclosing that resources may be accessible on a network through a server, such as an e-mail server (0001, lines 4-12; 0027, lines 11-13). It is obvious that the teachings of Engle would have improved the teachings of Albert in view of Wright by receiving a request for electronic mail in order to allow an external user to access resources through a server on an internal network.

As to claim 12, Albert discloses:

wherein the act of determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises an act of determining that the mobile device does not have **policy settings** (0066, lines 6-7) but does not disclose that the device does not **support policy settings**. The applicant discloses in [0059], lines 1-3 of the specification that it is known that lack of an expressly included policy version can indicate that a mobile device does not support policies. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made that a policy not being available on a client device can indicate that policy settings are not supported, as shown by the applicant.

As to claim 14, Albert in view of Wright fails to specifically disclose:

wherein the act of receiving the policy request from the mobile device comprises an act of receiving a policy request for policy settings that are appropriate for accessing electronic mail data.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert in view of Wright, as taught by Engle. Engle discloses:

wherein the act of receiving the policy request from the mobile device comprises an act of receiving a policy request for policy settings that are appropriate for accessing electronic mail data (0012, lines 10-12; 0027, lines 9-13).

Given the teaching of Engle, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert in view of Wright with the teachings of Engle by receiving a request for accessing electronic mail. Please refer to the motivation recited above in respect to claim 10 as to why it is obvious to apply the teachings of Engle to the teachings of Albert in view of Wright.

As to claim 15, Albert discloses:

> **wherein the act of receiving a request from a mobile device comprises an act of receiving a request from a mobile device selected from among a PDA** (0071, lines 1-6) but does not disclose where the mobile device is selected from a mobile telephone or a watch.
>
> Albert teaches that the client device may be another type of computing device (0071, lines 1-4). It would have been obvious to one of ordinary skill in the art at the time the invention was made to use a mobile telephone or a watch as a mobile device since they are both types of computing devices.

As to claim 16, Albert discloses:

> **wherein the act of identifying the updated policy settings** (i.e. settings to be applied) **that are appropriate for accessing the maintained data comprises an act identifying one or more of PIN lock settings, storage wipe**

settings, periodic enforcement settings, and policy exceptions (0047, lines 12-15; 0050, lines 1-3)**.**

As to claim 17, Albert discloses:

wherein the act of sending the updated policy settings along with the corresponding updated policy version to the mobile device comprises an act of sending one or more of PIN lock settings, storage wipe settings, periodic enforcement settings, and policy exceptions (0050, lines 1-3; 0072, lines 16-21)**.**

11. Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Albert in view of Wright and Engle as applied to claim 9 above, and further in view of Patanella (US 2004/0193907 A1).

As to claim 13, Albert in view of Wright and Engle fails to specifically disclose:

wherein the act of determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises an act of determining that the mobile device does not support PIN lock.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert in view of Wright and Engle, as taught by Patanella.

Patanella discloses a system and method for assessing and advising on electronic compliance, the system and method having:

> **wherein the act of determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises an act of determining that the mobile device does not support PIN lock** (i.e. password) (0019, lines 1-3, 9-10; 0047, lines 1-4, 10-17)**.**

Given the teaching of Patanella, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert in view of Wright and Engle with the teachings of Patanella by determining if the device supports a PIN lock. Patanella recites motivation by disclosing that security policies requiring safeguards prevent remote hacking (0047, lines 8-10). It is obvious that the teachings of Patanella would have improved the teachings of Albert in view of Wright and Engle by determining if a mobile device supports a PIN lock (i.e. password) in order to require safeguards to prevent remote hacking.

12. Claim 18 is rejected under 35 U.S.C. 103(a) as being unpatentable over Albert in view of Wright and Engle as applied to claim 9 above, and further in view of Herrmann et al. (US 2003/0055994 A1 and Herrmann hereinafter).

As to claim 18, Albert in view of Wright and Engle fails to specifically disclose:

where the act of receiving the data request along with the updated policy version from the mobile device comprises an act of receiving a policy version indicating that a user of the mobile device is at least temporarily excepted from policy compliance.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert in view of Wright and Engle, as taught by Herrmann.

Herrmann discloses a system and method for providing anti-virus cooperative enforcement, the system and method having:

where the act of receiving the data request along with the updated policy version from the mobile device comprises an act of receiving a policy version indicating that a user of the mobile device is at least temporarily excepted (i.e. restricted access) **from policy compliance** (0079, lines 11-19)**.**

Given the teaching of Herrmann, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert in view of Wright and Engle with the teachings of Herrmann by at least temporarily excepting a device from policy compliance. Herrmann recites motivation by disclosing that providing restrictive access to a non-compliant device allows the system to assist the user in remedying non-compliance (0081, lines 1-4). It is obvious that the teachings of Herrmann would have improved the teachings of

Albert in view of Wright and Engle by excepting a device from policy compliance in order to allow the device to make changes to become compliant.

13. Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over Albert in view of Wright and Engle as applied to claim 9 above, and further in view of Shahbazi (WO 2004/021114 A2).

As to claim 19, Albert in view of Wright and Engle fails to specifically disclose:

an act of initiating a remote storage wipe of the mobile device.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert in view of Wright and Engle, as taught by Shahbazi.

Shahbazi discloses a system and method for enterprise-wide security, the system and method having:

an act of initiating a remote storage wipe of the mobile device (page 13, lines 18-20**.**

Given the teaching of Shahbazi, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert in view of Wright and Engle with the teachings of Shahbazi by remotely initiating a wipe of a device. Shahbazi recites motivation by disclosing that a wipe is executed if the computing node that transferred a security profile to the device is not authorized in order to lock the device (page 13 lines 7-10, 15-18). It is obvious that the teachings of Shahbazi would have improved the teachings of

Albert in view of Wright and Engle by initiating a remote wipe in order to lock the device if the node that provided the security profile to the device is unauthorized.

Prior Art Made of Record

14. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Koehler et al. (US 2008/0083010 A1) discloses a system and method for trusted contextual communications.

b. Samuelsson et al. (US 2007/0162760 A1) discloses a system and method to protect data security in a mobile application processing system.

c. Seligmann (US 2005/0239481 A1) discloses a system and method for location-based command execution for mobile telecommunications terminals.

Conclusion

15. 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 Sarah Su whose telephone number is (571) 270-3835. The examiner can normally be reached on Monday through Friday 7:30AM-5:00PM EST..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Korzuch can be reached on (571) 272-7589. 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.

/William R. Korzuch/
Supervisory Patent Examiner, Art Unit 2431

/Sarah Su/
Examiner, Art Unit 2431

Notice of References Cited	Application/Control No. 11/171,850	Applicant(s)/Patent Under Reexamination LIMONT ET AL.	
	Examiner Sarah Su	Art Unit 2431	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2004/0123153 A1	06-2004	Wright et al.	713/201
*	B	US-2005/0239481 A1	10-2005	Seligmann, Doree Duncan	455/456.2
*	C	US-2007/0162760 A1	07-2007	Samuelsson et al.	713/182
*	D	US-2008/0083010 A1	04-2008	Koehler et al.	726/1
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11171850	LIMONT ET AL.
	Examiner	**Art Unit**
	Sarah Su	2431

✓	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	02/20/2009	10/29/2009							
	1	✓	✓							
	2	✓	✓							
	3	✓	✓							
	4	✓	✓							
	5	✓	-							
	6	✓	✓							
	7	✓	✓							
	8	✓	✓							
	9	✓	✓							
	10	✓	✓							
	11	✓	-							
	12	✓	✓							
	13	✓	✓							
	14	✓	✓							
	15	✓	✓							
	16	✓	✓							
	17	✓	✓							
	18	✓	✓							
	19	✓	✓							
	20	✓	✓							

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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11171850	LIMONT ET AL.
	Examiner	Art Unit
	Sarah Su	2431

SEARCHED			
Class	Subclass	Date	Examiner
726	3,6	10/29/09	SS

SEARCH NOTES		
Search Notes	Date	Examiner
PLUS Search	2/19/09	SS
Inventor Search	2/19/09	SS
EAST Search (see attached)	2/20/09	SS
EAST Search (see attached)	10/29/09	SS

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	896	726/6.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/10/29 14:43
L3	317	726/6.ccls. and version	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/10/29 14:43
L4	99	726/6.ccls. and version same request$3	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/10/29 14:44
L5	1580	726/3.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/10/29 14:45
L6	591	726/3.ccls. and version	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/10/29 14:45
L7	186	726/3.ccls. and version same request$3	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/10/29 14:45
S1	8272	version same request same access $3	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/10/29 09:20
S2	607	version same request same access $3 same mobile	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/10/29 09:20
S3	202	version with request same access $3 same mobile	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/10/29 09:21

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S4	21	((setting or configuration) near2 version) with request same access $3	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/10/29 09:31
S5	7	"413443".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/10/29 10:03

EAST Search History (Interference)

<This search history is empty>

10/29/2009 2:49:39 PM
H:\11171850_Limont\11171850_ESearch2.wsp

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UNITED STATES PATENT AND TRADEMARK OFFICE

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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/171,850	06/30/2005	David P. Limont	13768.614	5452

22971 7590 07/29/2009

MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052-6399

EXAMINER	
SU, SARAH	
ART UNIT	**PAPER NUMBER**
2431	

NOTIFICATION DATE	DELIVERY MODE
07/29/2009	ELECTRONIC

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

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

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

roks@microsoft.com
ntovar@microsoft.com

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Interview Summary	Application No.	Applicant(s)	
	11/171,850	LIMONT ET AL.	
	Examiner	Art Unit	
	Sarah Su	2431	

All participants (applicant, applicant's representative, PTO personnel):

(1) *Sarah Su*. (3)_____.

(2) *Sung Kim (45,398)*. (4)_____.

Date of Interview: *22 July 2009*.

Type: a)☒ Telephonic b)☐ Video Conference
c)☐ Personal [copy given to: 1)☐ applicant 2)☐ applicant's representative]

Exhibit shown or demonstration conducted: d)☐ Yes e)☒ No.
If Yes, brief description: _____.

Claim(s) discussed: *1,9 and 20*.

Identification of prior art discussed: *Albert et al. (US 2003/0177389 A1), Engle et al. (US 2007/0101405 A1)*.

Agreement with respect to the claims f)☐ was reached. g)☒ was not reached. h)☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: *Applicant's representative discussed the objections to the specification, claims, and drawings and the rejection under 35 USC 101 of claim 20. It was also clarified that the initial request for access also includes the current configuration version of the requesting device in independent claims 1, 9, and 20. Applicant's representative will submit appropriate amendments accordingly* .

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

/Sarah Su/ Examiner, Art Unit 2431	/William R. Korzuch/ Supervisory Patent Examiner, Art Unit 2431

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: David P. Limont
Application No.: 11/171,850
Filed: June 30, 2005
Customer No.: 22971
Attorney Docket No.: 312878.01
Group Art Unit: 2431
Examiner: Sarah Su
Confirmation Number: 5452
Title: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

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

AMENDMENT

Sir:

This communication is responsive to the non-final Office Action mailed March 25, 2009. Please amend the present application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims that begins on page 10 of this paper.

Amendments to the Drawings begin on page 16 of this paper and include both attached replacement sheets and annotated sheets showing changes.

Remarks begin on page 17 of this paper.

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Amendments to the Specification:

Applicants present replacement paragraphs below indicating the changes with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Please replace paragraph 7 on page 4 of the specification with:

> Further, in a wired networking environment, an administrator often has direct physical control over computer systems that are connected to the network (e.g., the wired computer systems are within a corporate building). Accordingly, the administrator can select and maintain the applications that are installed on the computer systems. In some environments, an administrator may chose to "lock down" the configuration of computer systems to ensure~~insure~~ that the configuration of the computer systems remains appropriately secure for accessing data. When server side or network upgrades occur, the administrator can "unlock" the computer systems to install appropriate client side updates and can then again lock down the computer systems. However, this manual re-configuration of computer systems can be time consuming.

Please replace paragraph 14 on pages 6-7 of the specification with:

> Unfortunately, many security mechanisms used to prevent unauthorized in a wired networking environment are unavailable and/or are not feasible in wireless networking environment. For example, it may be unmanageable for an administrator to lock down the configuration of every mobile device (mobile phone, PDA~~PDS~~, etc.) that utilizes external data access. It is difficult to place wireless computer systems, in domains since the access locations and access mechanisms may vary based on physical location. For example, access settings in Boston may be different than access setting in San Francisco.

Please replace paragraph 17 on page 8 of the specification with:

> The computer system determines that current mobile device configuration is not appropriate for accessing the maintained data. The computer system sends device configuration settings to the mobile device. The device configuration settings represent~~ing~~ a new mobile device configuration that is appropriate for accessing

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the maintained data. The computer system receives an indication that the mobile device is configured in accordance with the device configuration settings. The computer system permits the mobile device to access the maintained data in response to receiving the indication that the mobile device is configured in accordance with the device configuration settings.

Please replace paragraph 40 on page 15 of the specification with:

Although mobile device 101 has the appearance of a mobile telephone, the unseen features of the telephonic device may allow for complex and flexible general-purpose processing capabilities. For example, the mobile device 101 also includes processor 111, network interface 180, and memory 112 that are connected to each other and to speaker 104, display 105, navigation controls 108, dialing controls 107, microphone 106, and antenna 109 when appropriate, via a system bus~~110~~. The memory 112 generally represents a wide variety of volatile and/or non-volatile memories and may include types of memory previously discussed. However, the particular type of memory used in the mobile device 101 is not important to the present invention. Program code means comprising one or more program modules may be stored in memory 112. The one or more program modules may include an operating system 113, one or more application programs 114, program modules 115, and program data 116.

Please replace paragraph 49 on pages 17-18 of the specification with:

Remote (or server initiated) wipe settings can include: a user agent string setting providing a human readable indication the involved mobile device~~deice~~ (e.g., Trey-T5600/1.2), a DeviceID setting uniquely identifying a mobile device and resolve ambiguity between devices using the same user agent string, a pending remote wipe setting indicating if a mobile device has been designated for a storage wipe, remote wipe timestamp setting indicating a wipe action and when the wipe action occurred.

Please replace paragraph 53 on page 18 of the specification with:

Also as depicted, policy versions 118 include policy version 118A, policy version 118B, policy version 118D, and policy version

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118Z. A series of two dots (a vertical ellipsis) between, before and after the expressly depicted policy versions represents that other policy versions can be included between, before and after the expressly depicted policy versions. A policy version is a reduced set of data, such as, for example, a policy identifier, that represents a group of one or more policy settings. For example, policy version 118D can be used to represent the settings 117A, B, F, and H. Thus, an indication that a mobile device adheres to policy version 118D[[A]], implies that the mobile device implements settings 117A, B, F, and H.

Please replace paragraph 56 on page 19 of the specification with:

Communication link 133 logically represents that computer system 141 is connected to network 131. Communication link 133 abstracts the actual~~actually~~ physical representation of the connection from computer system 141 to network 131. The actual physical representation can include communication through one or more intermediate network devices and can include communication in one or more different protocols. At least a portion of the actual physical representation can include wireless communication using wireless protocols.

Please replace paragraph 60 on pages 20-21 of the specification with:

Method 200 includes an act of determining that the current policy settings at the mobile device are not appropriate for accessing data maintained by the computer system (act 202). For example, policy enforcement module 143 can compare a policy version included in data command 161 to other policy versions (e.g., included in policy versions 118) that are appropriate for accessing data (e.g., electronic mail messages and folders in data store 171) maintained by server module 142B (e.g., an electronic mail server). When the included policy version does not match any other appropriate policy version, policy enforcement module 143 determines that the policy settings of mobile device 101 are inappropriate for accessing data maintained by server module 142B. If no policy version was included, policy enforcement module 143 can by~~be~~ default determine that the policy settings of mobile device 101 are inappropriate for accessing data maintained by server module 142B.

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Please replace paragraph 73 on pages 23-24 of the specification with:

> Computer system 141 includes server module 193B (e.g., a Web server). Server module 193B further includes configuration~~policy~~ enforcement module 194 and data access module 195. As depicted, configuration settings 191 ~~includes configuration settings 191~~ include configuration~~policy~~ setting 191A, policy setting 191B, and policy setting 191Z. A series of two dots (a vertical ellipsis) between, before and after the expressly depicted configuration settings represents that other configuration settings can be included between, before and after the expressly depicted policy settings. Configuration settings can be name/value pairs. The name represents the name of a configuration setting and the value represents the value of the configuration setting. Configuration setting values can be of virtually any data type, such as, for example, Boolean, integer, floating point, string, character, enumerated, etc. Configuration settings can include: operating system settings, application program settings, hardware settings, allocated resource settings, network interface settings, wireless protocol settings, etc.

Please replace paragraph 75 on page 24 of the specification with:

> Also as depicted, configuration versions 192 include configuration version 192A, configuration version 192B, and configuration version 192C. A series of two dots (a vertical ellipsis) between, before and after the expressly depicted policy versions represents that other policy versions can be included between, before and after the expressly depicted configuration versions. A configuration version is a reduced set of data, such as, for example, a configuration identifier, that represents a group of one or more configuration settings. For example, configuration version 192C can be used to represent the configuration~~policy~~ settings 191B, K, N, R. Thus, an indication that a mobile device adheres to configuration version 192C, implies that the mobile device implements configuration settings 191B, K, N, R.

Please replace paragraph 77 on page 25 of the specification with:

> Server module 193B can interoperate with client side programs (e.g., client module 193A) to transfer data (e.g., Web pages) to a

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mobile device. Thus, in response to a mobile device data request, configuration~~policy~~ enforcement module 194 can determine if a requesting mobile device's configuration~~policy~~ settings are appropriate for accessing data. For example, configuration~~policy~~ enforcement module 194 can determine if sufficient resources have been allocated at a mobile device to receive a Web page, if a mobile device Web browser includes correct plug-ins for viewing content, if mobile device connection speed will permit a Web page to be downloaded in a reasonable amount of time, etc.

Please replace paragraph 78 on page 25 of the specification with:

Configuration enforcement module 194~~193~~ can interoperate with one or more of an authentication module, authorization modules, and policy enforcement module of server module 193B (not shown) to reduce the likelihood of inappropriate data access. When configuration settings are appropriate (and, for example, a user is authenticated and authorized and policy settings are appropriate), data access module 195 accesses requested data and transfers requested data to the requesting mobile device. On the other hand, when configuration settings are inappropriate (and even if a user is authenticated and authorized and policy requirements are appropriate), configuration enforcement module 194 can access appropriate configuration settings and transfer the appropriate configuration settings to the requesting mobile device.

Please replace paragraph 80 on page 26 of the specification with:

Method 400 includes an act of determining that current mobile device configuration is not appropriate for accessing the maintained data (act 401). For example, mobile device 101 (client 193A) can send request 176 to computer system 141. Request 176 can indicate a configuration version representing the one or more of the current configuration settings of mobile deice 101. Computer system 141 can receive request_176 from mobile device 101. Request 176 can be a request for data, such, as, for example, a Web page request. Alternately, request 176 can be a provision request expressly requesting appropriate configuration settings.

Please replace paragraph 84 on page 27 of the specification with:

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Method 400 includes an act of sending device configuration settings to the mobile device, the device configuration settings representing a new mobile device configuration that is appropriate accessing the maintained data (act 403). For example, server module 193B can send configuration settings 191B, K, N, and R along with configuration version 192C~~192L~~ to mobile device 101. Request 176 (a request) and configuration setting 191B, K, N, and R along with configuration version 192C~~192L~~ (a response) can be corresponding messages in a request/response protocol, such as, for example, HTTP.

Please replace paragraph 85 on page 27 of the specification with:

Sent configuration settings can be configuration settings for altering the current configuration of one or more of an operating system, an application program, hardware, allocated resources, a network interface, and wireless protocol settings, at the mobile device.

Please replace paragraph 86 on pages 27-28 of the specification with:

Mobile device 101 can implement configuration settings 191B, K, N, and R (potentially altering current configuration settings) to comply with configuration settings that are appropriate for accessing data maintained by server module 193B. For example, mobile device 101 can allocate additional memory for client module 193A, verify download speed, and activate an appropriate plug-in in accordance with configuration settings 191B, K, N, and R. Mobile device 101 can store configuration settings 191B, K, N, and R and configuration version 192C~~192L~~ in program data 116 for subsequent access.

Please replace paragraph 88 on page 28 of the specification with:

Method 400 includes an act of receiving an indication that the mobile device is configured in accordance with the device configuration settings subsequent to sending the device configuration settings to the mobile device (act 404). For example, mobile device 101 can send configuration version 192C~~192L~~ to computer system 141. Computer system 141 can receive configuration version 192C~~192L~~ from mobile device 101.

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Configuration enforcement module 143 can determine, for example, through comparison to known appropriate configuration versions, that configuration version 192C~~192L~~ represents configuration settings that are appropriate for accessing data 197.

Please replace paragraph 89 on page 28 of the specification with:

Method 400 includes an act of permitting the mobile device to access the maintained data in response to receiving the indication that the mobile device is configured in accordance with the device configuration settings (act 405). For example, configuration enforcement module 194 can permit mobile device 101 to access data 197A. Server module can subsequently send notification 199 to mobile device 101. Notification 199 can indicate to mobile device 101 that configuration enforcement module 194 has permitted access to data 197A. Data request configuration version 192C~~192L~~ (a request) and notification 199 (a response) can be corresponding messages in a request/response protocol, such as, for example, HTTP.

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Please replace the abstract with:

> The present embodiments~~invention~~ extend[[s]] to methods, systems, and computer program products for enforcing device settings for mobile devices. Generally, a computer system enforces appropriate mobile device settings (e.g., policy and/or configuration settings) prior to permitting a mobile device to access maintained data. The computer system receives a request from a mobile device. The computer system determines that current mobile device settings are not appropriate for accessing the maintained data. The computer system sends device settings, representing a new mobile device configuration that is appropriate for accessing the maintained data, to the mobile device. The computer system receives an indication that the mobile device is configured in accordance with the device settings. The computer system permits the mobile device to access the maintained data in response to receiving the indication that the mobile device is configured in accordance with the device settings.

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application. Applicants have submitted a new complete claim set showing any marked up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Listing of Claims:

1. (Currently amended) At a computer system that maintains data accessible to mobile devices, a method for enforcing an appropriate mobile device configuration prior to permitting a mobile device to access the maintained data, the method comprising:

an act of receiving at the computer system a request from the ~~a~~ mobile device, the request requesting that the mobile device be permitted to access the data maintained by the computer system, the request indicating a current mobile device configuration of the mobile device and including a configuration version corresponding to the current mobile device configuration;

an act of determining that the current mobile device configuration is not appropriate for accessing the maintained data, wherein the act of determining that the current mobile device configuration is not appropriate for accessing the maintained data comprises an act of comparing the configuration version included in the received request to one or more configuration versions stored at the computer system representing appropriate configurations for accessing the maintained data;

an act of sending device configuration settings to the mobile device, the device configuration settings representing a new mobile device configuration that is appropriate for accessing the maintained data;

an act of receiving an indication that the mobile device is configured in accordance with the device configuration settings subsequent to sending the device configuration settings to the mobile device; and

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an act of permitting the mobile device to access the maintained data in response to receiving the indication that the mobile device is configured in accordance with the device configuration settings.

2. (Currently amended) The method as recited in claim 1, wherein the act of receiving the~~a~~ request from the~~a~~ mobile device comprises an act of receiving a request that was sent in accordance with HTTP.

3. (Currently amended) The method as recited in claim 1, wherein the act of receiving the~~a~~ request from the~~a~~ mobile device comprises an act of receiving a request for a Web page.

4. (Currently amended) The method as recited in claim 1, wherein the act of receiving the~~a~~ request from the~~a~~ mobile device comprises an act of receiving a request from a mobile device selected from among a mobile telephone, a PDA, and a watch.

5. (Canceled)

6. (Currently amended) The method as recited in claim 1, wherein the~~an~~ act of sending device configuration settings to the mobile device comprises sending configuration settings that are designated to alter the current configuration of one or more of an operating system, an application program, hardware, allocated resources, a network interface, and wireless protocol settings, at the mobile device.

7. (Currently amended) The method as recited in claim 1~~8~~, wherein the act of receiving the~~an~~ indication that the mobile device is configured in accordance with the device configuration settings comprises ~~comparing a comprises~~ an act of comparing a received configuration version to one or more configuration versions representing appropriate configurations for accessing the maintained data.

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8. (Currently amended) The method as recited in claim 1, further comprises:

an act of notifying the mobile device that access to the maintained data has been permitted.

9. (Currently amended) At a computer system that maintains data accessible to mobile devices, a method for enforcing mobile device access policies prior to permitting mobile device access to the maintained data, the method comprising:

an act of receiving at the computer system a data command from a mobile device, the data command including~~indicating~~ a policy version and a request for data maintained at the computer system, the policy version representing ~~the~~ current policy settings at the mobile device;

an act of determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system, wherein the act of determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises an act of comparing the policy version included in the received data command to one or more policy versions stored at the computer system representing appropriate policy settings for accessing the maintained data;

an act of notifying the mobile device that the current policy settings are not appropriate for accessing the maintained data;

an act of receiving a policy request from the mobile device, the policy request requesting policy settings that are appropriate for accessing the maintained data;

an act of identifying updated policy settings that are appropriate for accessing the maintained data;

an act of sending the updated policy settings along with a corresponding updated policy version to the mobile device, the updated policy version representing the updated policy settings;

an act of receiving a data request along with the updated policy version from the mobile device, the data request requesting that the mobile device be permitted to access the maintained data, the updated policy version indicating that the mobile device is configured in accordance

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with the updated policy settings; and

an act of notifying the mobile device that access to the maintained data has been permitted.

10. (Currently amended) The method as recited in claim 9, wherein the act of receiving the~~a~~ data command from the~~a~~ mobile device comprises an act of receiving a request for electronic mail data.

11. (Canceled)

12. (Currently amended) The method as recited in claim 9, wherein the~~an~~ act of determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises an act of determining that the mobile device does not support policy settings.

13. (Currently amended) The method as recited in claim 9, wherein the~~a~~ act of determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises an act of determining that the mobile device does not support PIN lock.

14. (Currently amended) The method as recited in claim 9, wherein the act of receiving the~~a~~ policy request from the mobile device comprises an act of receiving a policy request for policy settings that are appropriate for accessing electronic mail data.

15. (Currently amended) The method as recited in claim 9, wherein the act of receiving the~~a~~ policy request from the mobile device comprises an act of receiving a policy request from the~~a~~ mobile device selected from among a mobile telephone, a PDA, and a watch.

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16. (Currently amended) The method as recited in claim 9, wherein the act of identifying the updated policy settings that are appropriate for accessing the maintained data comprises an act identifying one or more of PIN lock settings, storage wipe settings, periodic enforcement settings, and policy exceptions.

17. (Currently amended) The method as recited in claim 9, wherein the act of sending the updated policy settings along with the~~a~~ corresponding updated policy version to the mobile device comprises an act of sending one or more of PIN lock settings, storage wipe settings, periodic enforcement settings, and policy exceptions.

18. (Currently amended) The method as recited in claim 9, where the act of receiving the~~a~~ data request along with the updated policy version from the mobile device comprises an act of receiving a policy version indicating that a~~the~~ user of the mobile device is at least temporarily excepted from policy compliance.

19. (Currently amended) The method as recited in claim 9, further comprising:

an~~An~~ act of initiating a remote storage wipe of the mobile device.

20. (Currently amended) A computer-program product for use at a computer system that maintains data accessible to mobile devices, the computer program product for implementing a method for enforcing mobile device access policies prior to permitting mobile device access to the maintained data, the computer program product comprising one or more computer-readable storage media having stored thereon computer-executable instructions that, when executed by a processor, cause the computer system to perform the following:

receive at the computer system a data command from a mobile device, the data command including~~indicating~~ a policy version and a request for data maintained at the computer system, the policy version representing ~~the~~ current policy settings at the mobile device;

determine that the current policy settings at the mobile device are not appropriate for

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accessing the data maintained by the computer system, wherein determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises an act of comparing the policy version included in the received data command to one or more policy versions stored at the computer system representing appropriate policy settings for accessing the maintained data;

notify the mobile device that the current policy settings are not appropriate for accessing the maintained data;

receive a policy request from the mobile device, the policy request requesting policy settings that are appropriate for accessing the maintained data;

identify updated policy settings that are appropriate for accessing the maintained data;

send the updated policy settings along with a corresponding updated policy version to the mobile device, the updated policy version representing the updated policy settings;

receive a data request along with the updated policy version from the mobile device, the data request requesting that the mobile device be permitted to access the maintained data, the updated policy version indicating that the mobile device is configured in accordance with the updated policy settings; and

notify the mobile device that access to the maintained data has been permitted.

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Amendments to the Drawings:

Applicants present replacement sheets and annotated sheets showing changes made to the drawings.

In Figure 1, "Dialing Controls 109" is replaced with "Dialing Controls 107".

In Figure 3, "Dialing Controls 109" is replaced with "Dialing Controls 107".

In Figure 3, "Policy Version 192L" is replaced with "Config. Version 192L".

Attachments: 2 Replacement Sheets (Figures 1 and 3)

2 Annotated Sheets Showing Changes Made (Figures 1 and 3)

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REMARKS

Reconsideration and allowance of the claims are requested in view of the above amendments and the following remarks.

The specification, drawings and claims 1-4, 6-10 and 12-20 have been amended. Support for the amendments may be found in the specification and claims as originally filed. For example, support for the claim amendments may be found in the present specification at least at paragraphs 58-60 and 81-82, and claims 5 and 11 as originally filed. No new matter has been added.

Upon entry of this amendment, claims 1-4, 6-10 and 12-20 are pending with claims 1, 9 and 20 being independent. Claims 5 and 11 have been canceled without prejudice or disclaimer.

Applicants thank Examiner Su for the courtesies extended to applicants' representative, Mr. Sung Kim, during an interview conducted on July 22, 2009. The substance of the interview is incorporated in the following remarks.

1. Specification

The Office Action on pages 2-3 objects to the specification due to various informalities and requires appropriate correction.

Applicants have amended the specification, including the abstract, to overcome each of the objections.

For at least the above reasons, reconsideration and withdrawal of any objections to the specification of the present application are respectfully requested.

2. Claim Objections

The Office Action on page 3 objects to claim 7 as being of improper dependent form for failing to further limit the subject matter of a previous claim. In response to this objection, claim 7 has been amended to depend from claim 1.

The Office Action on pages 3-6 objects to claims 1-18 and 20 due to various

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informalities. Applicants have amended claims 1-4, 6-10, 12-18 and 20 to overcome each of the objections.

Since claims 5 and 11 have been canceled, the objection to these claims is rendered moot.

For at least the above reasons, reconsideration and withdrawal of the objection to claims 1-18 and 20 are respectfully requested.

3. Drawings

The Office Action on page 6 objects to the drawings asserting that reference character "109" has been used to designate both Antenna and Dialing Controls in Figures 1 and 3.

In response to this objection, replacement sheets of the drawings illustrating revised Figures 1 and 3 are attached hereto. In the replacement sheets illustrating revised Figures 1 and 3, "Dialing Controls 109" has been replaced with "Dialing Controls 107", which corresponds to the specification at least at paragraph 39. Additionally, for clarification, in Figure 3 the item originally labeled as "Policy Version 192L" has been replaced with the label "Config. Version 192L", referring to Configuration Version 192L. The changes to the drawings are supported by the present specification.

The other objections to the drawings noted on page 6 of the Office Action (e.g., paragraphs 8 and 9 of the Office Action) have been addressed and overcome by the present amendments to the specification.

As a result, applicants submit that the objections to the drawings have been overcome.

For at least the above reasons, reconsideration and withdrawal of the objection to the drawings are respectfully requested.

4. Rejections Under 35 U.S.C. §101

The Office Action rejects claim 20 under 35 U.S.C. §101 as being directed to non-statutory subject matter. Applicants respectfully traverse this rejection for at least the following reasons.

Applicants do not agree with the rejection of claim 20 under 35 U.S.C. §101 as being

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directed to non-statutory subject matter. However, as discussed during the interview, solely for purposes of economy of prosecution claim 20 has been amended to recite "the computer program product comprising one or more computer-readable storage media having stored thereon computer-executable instructions that, when executed by a processor, cause the computer system to perform the following" (emphasis added). Support for this claim amendment may be found in the specification of the present application, for example, at paragraphs 33 and 95.

For at least the above reasons, reconsideration and withdrawal of the rejection of claim 20 under 35 U.S.C. §101 are respectfully requested.

5. Rejections Under 35 U.S.C. §102

The Office Action rejects claims 1, 3, 5 and 6 under 35 U.S.C. §102(b) as being anticipated by Albert et al. (2003/0177389). Applicants respectfully traverse this rejection for at least the following reasons.

Albert et al. discloses that in response to receipt of a request from a device for connection to a particular network, a current policy to apply to said device for governing the connection to this particular network is determined from a plurality of available security policies (see paragraph 25, lines 4-8). Additionally, Albert et al. teaches that in response to a user request to establish a connection to a remote network or server, the VPN client 330 communicates with the VPN gateway 340. The VPN client 330 may also initiate policy activation from integrity server 350, or the client security module 320 may initiate policy activation from integrity server 350 (see paragraph 71, lines 32-38). Furthermore, Albert et al. teaches that the integrity server receives a login communication including information about the identity of a particular user, and in response, the integrity server exchanges a predefined series of messages with the client security module, which may provide information identifying the version of the corporate security policy stored on the client device (see paragraph 85, lines 1-7).

However, as discussed during the interview, Albert et al. fails to teach receiving at a computer system a request from a mobile device to access data maintained by the computer system, where the initial request for access indicates a current mobile device configuration of the

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mobile device and includes a corresponding configuration version. Instead, Albert et al. at most teaches receiving a user request to establish a connection to a remote network or server (or a login communication), and then as a separate step, in response to receiving that information, exchanging a series of messages with a client that may include information on corporate security policy versions.

Albert et al. also discloses that in situations where a corporate security policy is available on the device, the integrity server compares the local copy on the device (i.e., a copy the user has previously installed or downloaded) to the then-current version to determine if the user's copy should be updated (see paragraph 66, lines 11-16). The integrity server 350 includes a repository that stores security policies and related information for transmission to various client devices (see paragraph 72, lines 2-5).

However, as discussed during the interview, Albert et al. fails to teach comparing a configuration version included in the received request to access data on a computer system to one or more configuration versions stored at the computer system representing appropriate configurations for accessing the maintained data. Instead, for example, Albert et al. at most teaches comparing a local copy of a security policy on a client device to a security policy stored at the integrity server, which may control access to the network. But Albert et al. does not teach comparing the local copy of the security policy on the client device against a security policy stored at a computer system that maintains data to which the client device seeks access.

As a result, Albert et al. fails to teach or suggest at least the following elements of independent claim 1 (emphasis added):

> 1. At a computer system that maintains data accessible to mobile devices, a method for enforcing an appropriate mobile device configuration prior to permitting a mobile device to access the maintained data, the method comprising:
>
> an act of receiving at the computer system a request from the mobile device, the request requesting that the mobile device be permitted to access the data maintained by the computer system, the request indicating a current mobile device configuration of the mobile device and including a configuration version corresponding to the current mobile device configuration;

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> an act of determining that the current mobile device configuration is not appropriate for accessing the maintained data, wherein the act of determining that the current mobile device configuration is not appropriate for accessing the maintained data comprises an act of comparing the configuration version included in the received request to one or more configuration versions stored at the computer system representing appropriate configurations for accessing the maintained data . . .

Therefore, since Albert et al. fails to disclose, or even suggest, all of the elements of independent claim 1 as amended, this claims is allowable.

Claims 3 and 6 depend from claim 1. As discussed above, claim 1 is allowable. For at least this reason, and the features recited therein, claims 3 and 6 are also allowable.

Since claim 5 has been canceled, the rejection of this claim is rendered moot.

For at least the above reasons, reconsideration and withdrawal of the rejection of claims 1, 3, 5 and 6 under 35 U.S.C. §102(b) are respectfully requested.

6. Rejections Under 35 U.S.C. §103

A. Rejection Based on Albert et al.

The Office Action rejects claim 4 under 35 U.S.C. §103(a) as being unpatentable over Albert et al. Applicants respectfully traverse this rejection for at least the following reasons.

As discussed above, claim 1 is allowable since Albert et al. fails to disclose or suggest all of the elements recited therein. Claim 4 depends from claim 1. For at least this reason, and the additional features recited therein, claim 4 is also allowable.

For at least the reasons above, reconsideration and withdrawal of the rejection of claim 4 under 35 U.S.C. §103(a) are respectfully requested.

B. Rejections Based on Albert et al. and Engle et al.

The Office Action rejects claims 2, 7 and 8 under 35 U.S.C. §103(a) as being unpatentable over Albert et al. in view of Engle et al. (2007/0101405). Applicants respectfully traverse this rejection for at least the following reasons.

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As discussed above, Albert et al. fails to disclose or suggest all of the elements of independent claim 1. Engle et al. fails to cure this defect.

Engle et al. discloses receiving an access request from a remote computer, and then requesting and receiving information representing a configuration state of the remote computer (see paragraph 12, lines 3-7). However, as discussed during the interview, Engle et al. fails to disclose or suggest receiving at a computer system a request from a mobile device to access data maintained by the computer system, where the initial request for access indicates a current mobile device configuration of the mobile device and includes a corresponding configuration version. Instead, Engle et al. at most teaches receiving an access request from a remote computer, and then as separate steps, requesting and receiving information representing a configuration state of the remote computer.

As a result, Albert et al. and Engle et al. fail to teach or suggest at least the following elements of independent claim 1 (emphasis added):

> 1. At a computer system that maintains data accessible to mobile devices, a method for enforcing an appropriate mobile device configuration prior to permitting a mobile device to access the maintained data, the method comprising:
>
> an act of receiving at the computer system a request from the mobile device, the request requesting that the mobile device be permitted to access the data maintained by the computer system, the request indicating a current mobile device configuration of the mobile device and including a configuration version corresponding to the current mobile device configuration;
>
> an act of determining that the current mobile device configuration is not appropriate for accessing the maintained data, wherein the act of determining that the current mobile device configuration is not appropriate for accessing the maintained data comprises an act of comparing the configuration version included in the received request to one or more configuration versions stored at the computer system representing appropriate configurations for accessing the maintained data . . .

Therefore, since Albert et al. and Engle et al., alone or in combination, fail to disclose or suggest all of the elements of independent claim 1, this claim is allowable over the cited

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references.

Claims 2, 7 and 8 depend from claim 1. As discussed above, claim 1 is allowable. For at least this reason, and the additional features recited therein, claims 2, 7 and 8 are also allowable.

For at least the reasons above, reconsideration and withdrawal of the rejection of claims 2, 7 and 8 under 35 U.S.C. §103(a) are respectfully requested.

C. Rejections Based on Albert et al. and Engle et al.

The Office Action rejects claims 9-12, 14-17 and 20 under 35 U.S.C. §103(a) as being unpatentable over Albert et al. in view of Engle et al. Applicants respectfully traverse this rejection for at least the following reasons.

As discussed above, Albert et al. teaches that an integrity server receives a login communication including information about the identity of a particular user, and in response, the integrity server exchanges a predefined series of messages with the client security module, which may provide information identifying the version of the corporate security policy stored on the client device (see paragraph 85, lines 1-7). However, as discussed during the interview, Albert et al. fails to teach receiving at a computer system a data command from a mobile device, the data command including both a policy version and a request for data maintained at the computer system. Instead, Albert et al. at most teaches receiving a login communication, and then as a separate step, in response to receiving that information, exchanging a series of messages with a client that may include information on corporate security policy versions. Engle et al. fails to cure this defect.

As discussed above, Engle et al. discloses receiving an access request from a remote computer, and then requesting and receiving information representing a configuration state of the remote computer (see paragraph 12, lines 3-7). However, as discussed during the interview, Engle et al. fails to disclose or suggest receiving at a computer system a data command from a mobile device, the data command including both a policy version and a request for data maintained at the computer system. Instead, Engle et al. at most teaches receiving an access request from a remote computer, and then as separate steps, requesting and receiving information

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representing a configuration state of the remote computer.

As a result, Albert et al. and Engle et al. fail to teach or suggest at least the following elements of independent claims 9 and 20, respectively (emphasis added):

> 9. At a computer system that maintains data accessible to mobile devices, a method for enforcing mobile device access policies prior to permitting mobile device access to the maintained data, the method comprising:
>
> an act of receiving at the computer system a data command from a mobile device, the data command including a policy version and a request for data maintained at the computer system, the policy version representing current policy settings at the mobile device;
>
> an act of determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system, wherein the act of determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises an act of comparing the policy version included in the received data command to one or more policy versions stored at the computer system representing appropriate policy settings for accessing the maintained data . . .
>
> 20. A computer-program product for use at a computer system that maintains data accessible to mobile devices, the computer program product for implementing a method for enforcing mobile device access policies prior to permitting mobile device access to the maintained data, the computer program product comprising one or more computer-readable storage media having stored thereon computer-executable instructions that, when executed by a processor, cause the computer system to perform the following:
>
> receive at the computer system a data command from a mobile device, the data command including a policy version and a request for data maintained at the computer system, the policy version representing current policy settings at the mobile device;
>
> determine that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system, wherein determining that the current policy settings at the mobile device are not appropriate for accessing the data maintained by the computer system comprises an act of comparing the policy version included in the received data

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> command to one or more policy versions stored at the computer system representing appropriate policy settings for accessing the maintained data . . .

Therefore, since Albert et al. and Engle et al., alone or in combination, fail to disclose or suggest all of the elements of independent claims 9 and 20, these claims are allowable over the cited references.

Claims 10, 12 and 14-17 depend from claim 9. As discussed above, claim 9 is allowable. For at least this reason, and the features recited therein, claims 10, 12 and 14-17 are also allowable.

Since claim 11 has been canceled, the rejection of this claim is rendered moot.

For at least the reasons above, reconsideration and withdrawal of the rejection of claims 9-12, 14-17 and 20 under 35 U.S.C. §103(a) are respectfully requested.

D. Rejections Based on Albert et al., Engle et al. and Patanella

The Office Action rejects claim 13 under 35 U.S.C. §103(a) as being unpatentable over Albert et al. in view of Engle et al., and further in view of Patanella (2004/0193907). Applicants respectfully traverse this rejection for at least the following reasons.

As discussed above, Albert et al. and Engle et al. fail to disclose or suggest all of the elements of independent claim 9. Patanella fails to cure this defect.

The Office Action cites Patanella primarily for its alleged teaching that a security policy can be implemented by a corporation in accordance with standards such as ISO-17799, which require that best practices are met which address remote access vulnerabilities. One example might be that the policy requires two-factor authentication (such as a personal password as well as a SecureID token password) before allowing a remote connection to the corporate network (see paragraph 47). However, Patanella fails to disclose or suggest the features discussed above with respect to independent claim 9.

Therefore, since Albert et al., Engle et al. and Patanella, alone or in combination, fail to disclose or suggest all of the elements of independent claim 9, this claim is allowable over the

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cited references.

Claim 13 depends from claim 9. As discussed above, claim 9 is allowable. For at least this reason, and the additional features recited therein, claim 13 is also allowable.

For at least the reasons above, reconsideration and withdrawal of the rejection of claim 13 under 35 U.S.C. §103(a) are respectfully requested.

E. Rejections Based on Albert et al., Engle et al. and Herrmann et al.

The Office Action rejects claim 18 under 35 U.S.C. §103(a) as being unpatentable over Albert et al. in view of Engle et al., and further in view of Herrmann et al. (2003/0055994). Applicants respectfully traverse this rejection for at least the following reasons.

As discussed above, Albert et al. and Engle et al. fail to disclose or suggest all of the elements of independent claim 9. Herrmann et al. fails to cure this defect.

The Office Action cites Herrmann et al. primarily for its alleged teaching that if a client is out of compliance, a restrictive policy is generally applied. A gateway server 350 may include one or more predefined policies that define what access is to be afforded to non-compliant clients. Access policies may be tailored for particular clients or groups and applied by the gateway server (see paragraph 79). However, Herrmann et al. fails to disclose or suggest the features discussed above with respect to independent claim 9.

Therefore, since Albert et al., Engle et al. and Herrmann et al., alone or in combination, fail to disclose or suggest all of the elements of independent claim 9, this claim is allowable over the cited references.

Claim 18 depends from claim 9. As discussed above, claim 9 is allowable. For at least this reason, and the additional features recited therein, claim 18 is also allowable.

For at least the reasons above, reconsideration and withdrawal of the rejection of claim 18 under 35 U.S.C. §103(a) are respectfully requested.

F. Rejections Based on Albert et al., Engle et al. and Shahbazi

The Office Action rejects claim 19 under 35 U.S.C. §103(a) as being unpatentable over

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Albert et al. in view of Engle et al., and further in view of Shahbazi (WO2004/021114A2). Applicants respectfully traverse this rejection for at least the following reasons.

As discussed above, Albert et al. and Engle et al. fail to disclose or suggest all of the elements of independent claim 9. Shahbazi fails to cure this defect.

The Office Action cites Shahbazi primarily for its alleged teaching that if a computing node 102 is not authorized, a node security program 202 can lock the mobile device, for example, by transmitting a device security application to be executed at the unauthorized mobile device, wipe or erase data on the device, or require system administrator intervention (see pg. 13, lines 17-21). However, Shahbazi fails to disclose or suggest the features discussed above with respect to independent claim 9.

Therefore, since Albert et al., Engle et al. and Shahbazi, alone or in combination, fail to disclose or suggest all of the elements of independent claim 9, this claim is allowable over the cited references.

Claim 19 depends from claim 9. As discussed above, claim 9 is allowable. For at least this reason, and the additional features recited therein, claim 19 is also allowable.

For at least the reasons above, reconsideration and withdrawal of the rejection of claim 19 under 35 U.S.C. §103(a) are respectfully requested.

7. Conclusion

Accordingly, in view of the above amendment and remarks it is submitted that the claims are patentably distinct over the cited art and that all the rejections to the claims have been overcome. Reconsideration and reexamination of the present application is requested. Based on the foregoing, applicants respectfully request that the pending claims be allowed, and that a timely Notice of Allowance be issued in this case. If the Examiner believes, after this amendment, that the application is not in condition for allowance, the Examiner is requested to call the applicants' attorney at the telephone number listed below.

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If this response is not considered timely filed and if a request for an extension of time is otherwise absent, applicants hereby request any necessary extension of time. If there is a fee occasioned by this response, including an extension fee that is not covered by an enclosed check please charge any deficiency to Deposit Account No. 50-0463.

Respectfully submitted,
Microsoft Corporation

Date: July 24, 2009

By: /Sung T. Kim/

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CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being electronically deposited with the USPTO via EFS-Web on the date shown below:

July 24, 2009
Date

/Rimma N. Oks/
Rimma Oks

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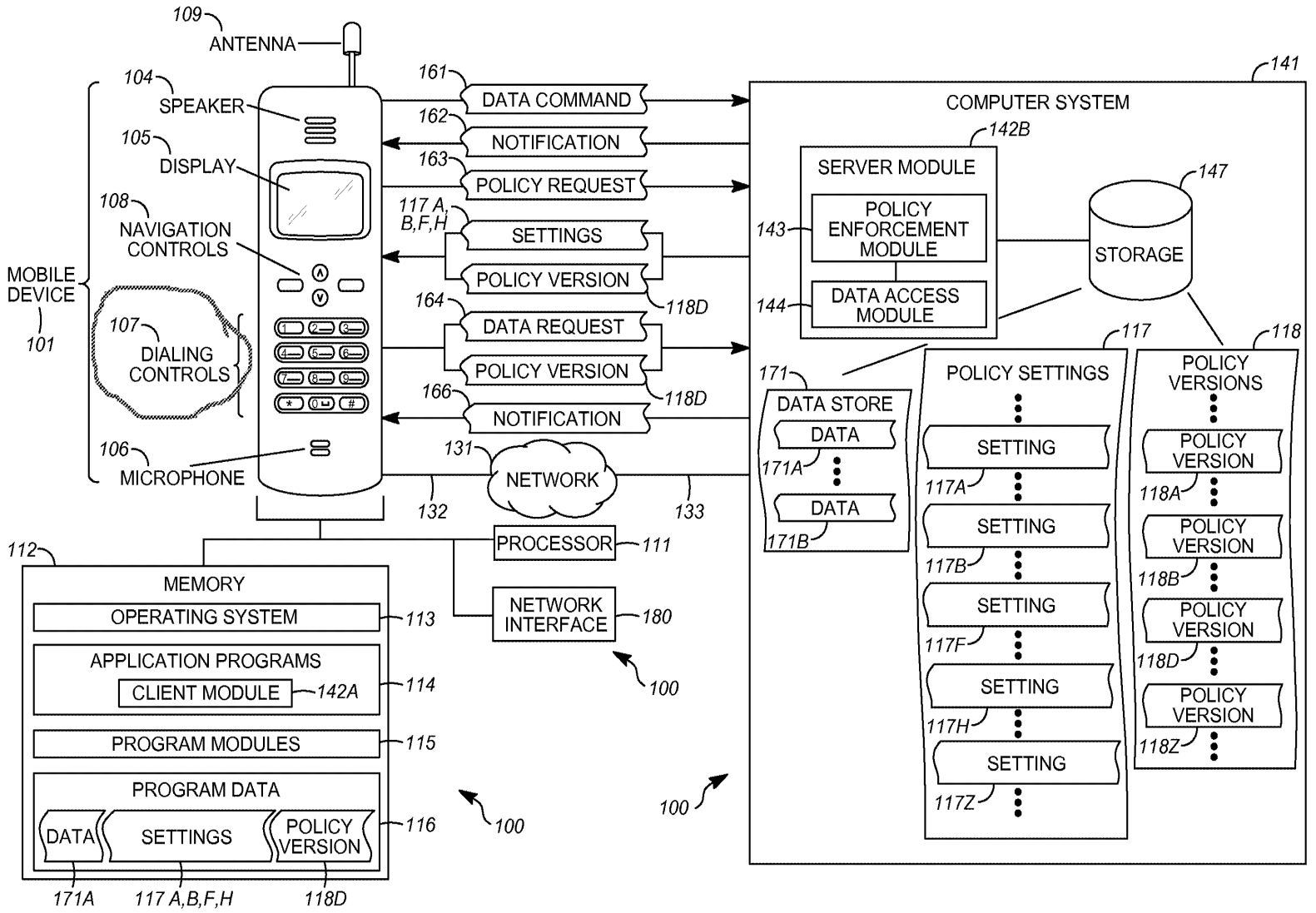


FIG. 1

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ANNOTATED SHEET SHOWING CHANGES MADE

Application Serial No.: 11/171,850
Docket No.: 312878.01
Application Title: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

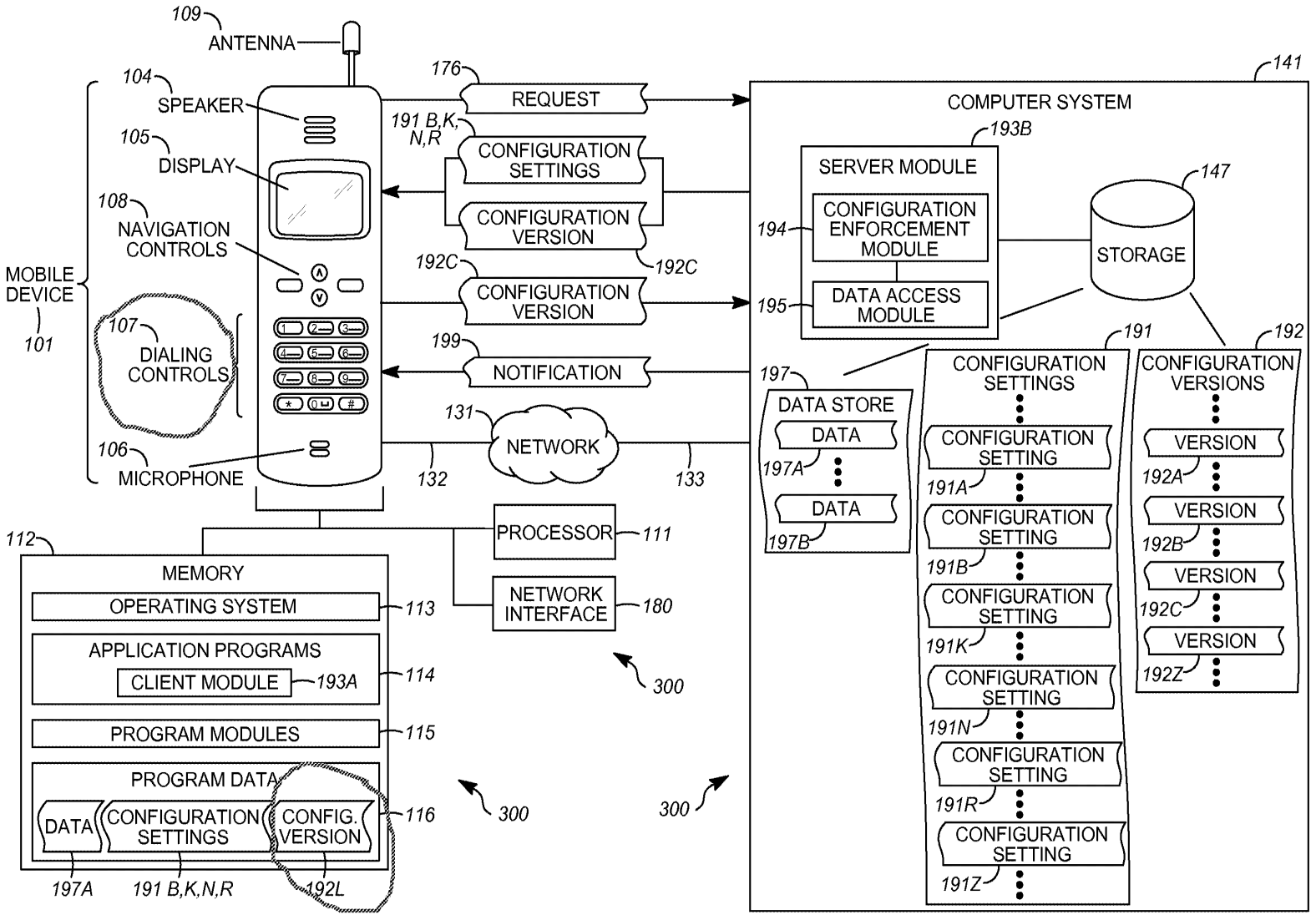


FIG. 3

Application Serial No.: 11/171,850
Docket No.: 312878.01
Application Title: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES
ANNOTATED SHEET SHOWING CHANGES MADE

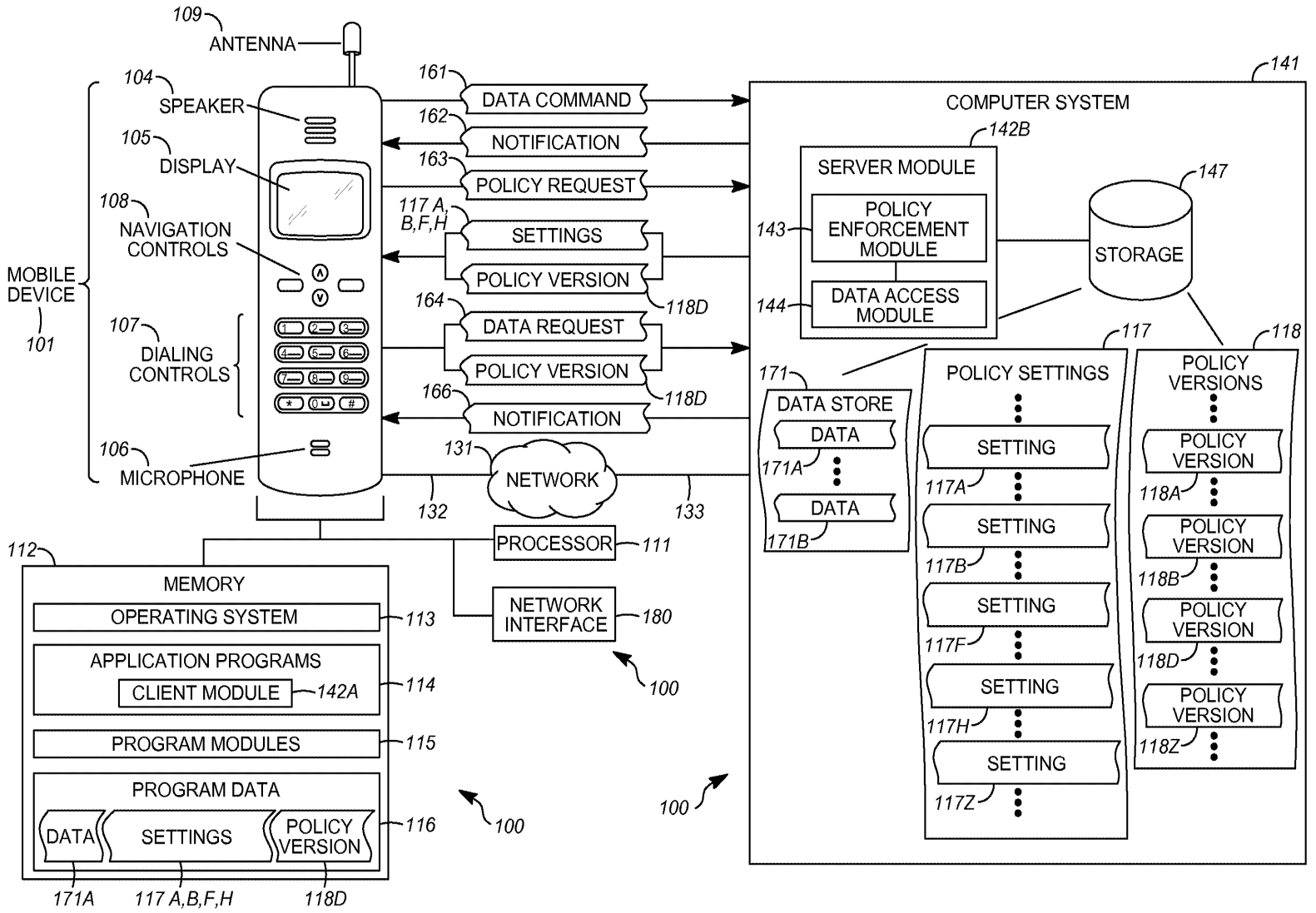


FIG. 1

Application Serial No.: 11/171,850
Docket No.: 312878.01
Application Title: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES
REPLACEMENT SHEET
1/5

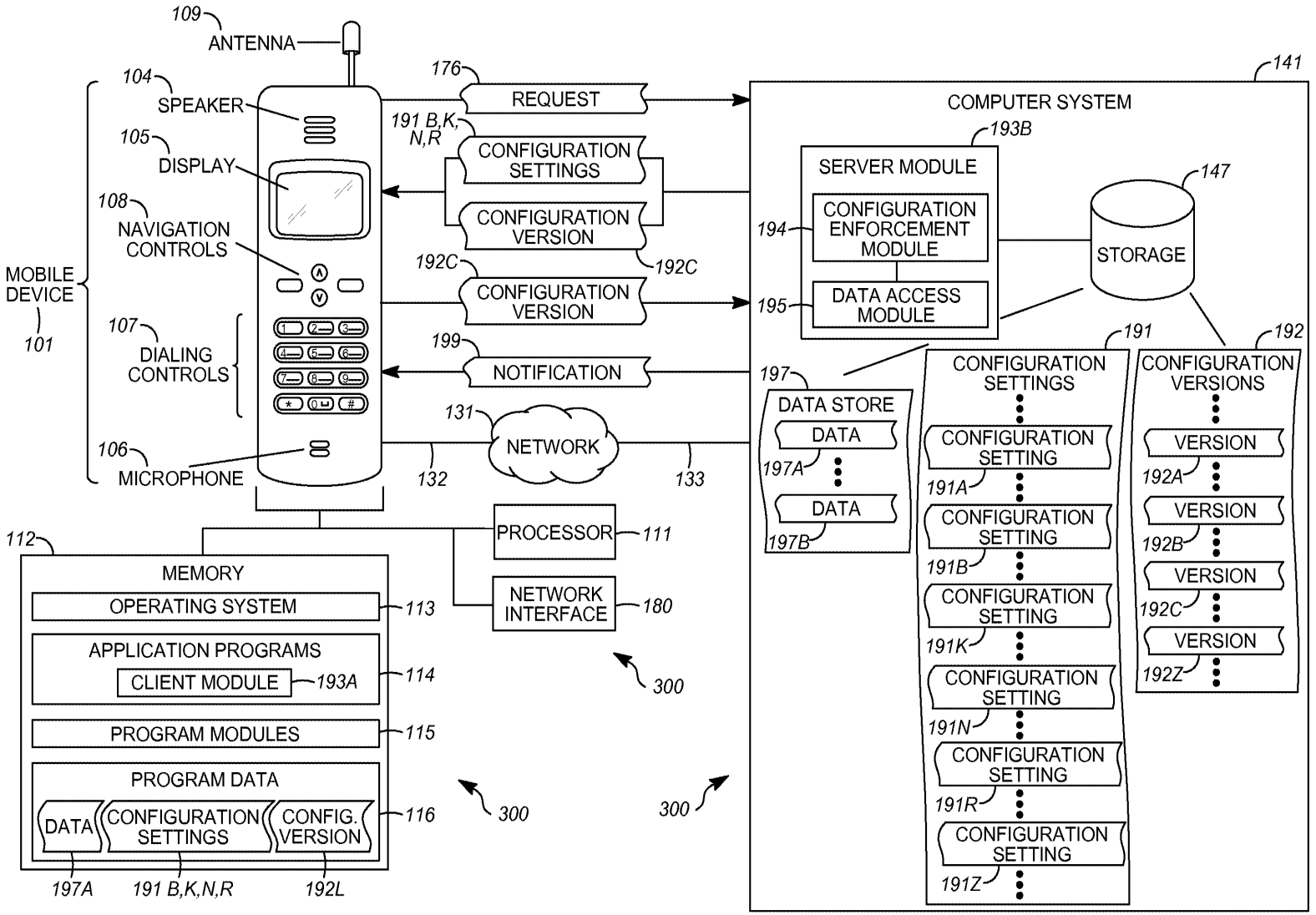


FIG. 3

Application Serial No.: 11/171,850
Docket No.: 312878.01
Application Title: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES
REPLACEMENT SHEET

Electronic Patent Application Fee Transmittal

Application Number:	11171850
Filing Date:	30-Jun-2005
Title of Invention:	Enforcing device settings for mobile devices
First Named Inventor/Applicant Name:	David P. Limont
Filer:	David Bartley Eppenauer/Rimma Oks
Attorney Docket Number:	13768.614

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

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

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

Electronic Acknowledgement Receipt

EFS ID:	5766872
Application Number:	11171850
International Application Number:	
Confirmation Number:	5452
Title of Invention:	Enforcing device settings for mobile devices
First Named Inventor/Applicant Name:	David P. Limont
Customer Number:	22971
Filer:	David Bartley Eppenauer/Rimma Oks
Filer Authorized By:	David Bartley Eppenauer
Attorney Docket Number:	13768.614
Receipt Date:	24-JUL-2009
Filing Date:	30-JUN-2005
Time Stamp:	16:19:17
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$130
RAM confirmation Number	2549
Deposit Account	500463
Authorized User	

File Listing:

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

1	Extension of Time	312878-01-EOT-as-filed.pdf	322630 c91ebfe1b1754eed61ee7eff8de158c2cc8355f1	no	2
Warnings:					
Information:					
2		312878-01-Response-NFOA-3-25-09-as-filed-7-24-09.pdf	190582 261c52d7ec2b3ea149c4b574108d15770247a3e8	yes	28

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Specification	2	9
	Claims	10	15
	Drawings-only black and white line drawings	16	16
	Applicant Arguments/Remarks Made in an Amendment	17	28

Warnings:					
Information:					
3	Drawings-only black and white line drawings	312878-01-Annotated-Sheets-as-filed.pdf	94448 00bbcf7a0e716f38d5b5fd8d53127285342c4553	no	2
Warnings:					
Information:					
4	Drawings-only black and white line drawings	312878-01-Replacement-Sheets-as-filed.pdf	92320 b5256eeb60a9b567f93e666734683838d2249434	no	2
Warnings:					
Information:					
5	Fee Worksheet (PTO-875)	fee-info.pdf	29998 e1a6b65f49117fc18d35c337be5321338f015406	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	729978		

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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.

PTO/SB/22 (02-09)
Approved for use through 03/31/2009. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARMENT 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) **FY 2009** *(Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).)*	Docket Number (Optional) 312878.01
Application Number 11/171,850	Filed June 30, 2005
For ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES	
Art Unit 2431	Examiner Sarah Su

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

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

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

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

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

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

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

☑ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 500463.

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

I am the

☐ applicant/inventor.

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

☑ attorney or agent of record. Registration Number 45,398

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

/Sung T. Kim/ — Signature

July 24, 2009 — Date

Sung T. Kim — Typed or printed name

(703) 647-6574 — Telephone Number

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

☑ Total of 1 forms are submitted.

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

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

Privacy Act Statement

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

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

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

PTO/SB/06 (07-06)
Approved for use through 1/31/2007. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number	Filing Date	☐ To be Mailed
11/171,850	06/30/2005	

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

APPLICATION AS AMENDED – PART II

AMENDMENT	07/24/2009	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE ($)	SMALL ENTITY ADDITIONAL FEE ($)	OR	OTHER THAN SMALL ENTITY RATE ($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 18	Minus	** 20	= 0	X $ =		OR	X $52=	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $ =		OR	X $220=	0
	☐ Application Size Fee (37 CFR 1.16(s))									
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	0

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

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

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

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

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

Legal Instrument Examiner:
/JOY DOBBS/

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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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
11/171,850	06/30/2005	David P. Limont	13768.614	5452

22971 7590 03/25/2009
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052-6399

EXAMINER	
SU, SARAH	
ART UNIT	PAPER NUMBER
2431	

NOTIFICATION DATE	DELIVERY MODE
03/25/2009	ELECTRONIC

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

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

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

roks@microsoft.com
ntovar@microsoft.com

IPR2024-00809
Petitioner's Exhibit 1013
Page 000294

Office Action Summary	Application No.	Applicant(s)	
	11/171,850	LIMONT ET AL.	
	Examiner	Art Unit	
	Sarah Su	2431	

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

Period for Reply

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

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

Status

1)☒ Responsive to communication(s) filed on *30 June 2005*.

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

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

Disposition of Claims

4)☒ Claim(s) *1-20* is/are pending in the application.

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

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-20* is/are rejected.

7)☒ Claim(s) *1-18 and 20* is/are objected to.

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

Application Papers

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

10)☒ The drawing(s) filed on *30 June 2005* is/are: a)☐ accepted or b)☒ objected to by the Examiner.

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

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

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

Priority under 35 U.S.C. § 119

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

a)☐ All b)☐ Some * c)☐ None of:

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

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

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

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

Attachment(s)

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

DETAILED ACTION

1. Claims 1-20 are presented for examination.

Specification

2. The abstract of the disclosure is objected to because in line 7, “is appropriate accessing” should read –is appropriate for accessing–. Correction is required. See MPEP § 608.01(b).

3. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

4. The disclosure is objected to because of the following informalities:

a. in [0007], line 6: “systems to insure” should read –systems to ensure–;

b. in [0014], line 4: "PDS" should read –PDA–;

c. in [0017], line 4: “is appropriate accessing” should read –is appropriate for accessing–;

d. in [0049], line 2: “mobile deice” should read –mobile device–;

e. in [0056], line 2: “abstracts the actually physical" should read –abstracts the actual physical–;

f. in [0060], line 10: “can be default” should read –can by default–;

g. in [0073], line 3: “configuration settings 191 includes configuration settings 191 include” should read –configuration settings 191 include–;

h. in [0077], line 5: “sufficient resources have allocated” should read –sufficient resources have been allocated–;

i. in [0080], line 5: “can receive request176” should read –can receive request 176–;

j. in [0085], line 1: “configuration setting” should read –configuration settings–.

Appropriate correction is required.

Claim Objections

5. Claim 7 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claim 7 is dependent on claim 8, which is not a previous claim.

6. Claims 1-18 and 20 are objected to because of the following informalities:

a. In claim 1, line 4: “a mobile device” is unclear if it relates to “a mobile device” (claim 1, lines 2-3);

b. In claim 1, line 5: “data" is unclear if it relates to “data” (claim 1, line 1);

c. In claim 1, line 7: “current mobile device configuration” is unclear if it relates to “a current mobile device configuration” (claim 1, line 6);

d. In claim 1, line 11: “appropriate accessing” should read –appropriate for accessing–;

e. In claims 2, 3 and 4, lines 1 and 2: “a request” is unclear if it relates to “a request” (claim 1, line 4);

f. In claims 2, 3 and 4, line 2: “a mobile device” is unclear if it relates to “a mobile device” (claim 1, lines 2-3);

g. In claim 5, lines 1-2: “current mobile device configuration” is unclear if it relates to “a current mobile device configuration” (claim 1, line 6);

h. In claim 6, lines 1-2: “an act of sending device configuration settings” is unclear if it relates to “an act of sending device configuration settings” (claim 1, line 9);

i. In claim 7, line 1: “an indication” is unclear if it relates to “an indication” (claim 1, line 12);

j. In claim 7, line 3: “comprises comparing a comprises” is unclear;

k. In claim 8, line 2: “maintained data” is unclear if it relates to “data” (claim 1, line 1);

l. In claim 9, line 3: “maintained data” is unclear if it relates to “data” (claim 9, line 1);

m. In claim 9, line 4: "a mobile device" is unclear if it relates to "mobile device" (claim 9, line 2);

n. In claim 9, line 8: “data” is unclear if it relates to “data” (claim 9, line 1);

o. In claim 10, lines 1-2: “a data command” is unclear if it relates to “a data command” (claim 9, line 4);

p. In claim 10, line 2: “a mobile device” is unclear if it relates to “mobile device” (claim 9, line 2);

q. In claims 11, 12, and 13, line 1: “an act of determining” is unclear if it relates to “an act of determining” (claim 9, line 7);

r. In claims 11, 12, and 13, line 2: “data” is unclear if it relates to “data” (claim 9, line 1);

s. In claims 14 and 15, lines 1-2: "a policy request" is unclear if it relates to "a policy request" (claim 9, line 11);

t. In claims 14 and 15, line 2: “an act of receiving a policy request” is unclear if it relates to “an act of receiving a policy request” (claim 9, line 11);

u. In claim 15, lines 2-3: “a mobile device” is unclear if it relates to “mobile device” (claim 9, line 2);

v. In claim 16, lines 1-2: “updated policy settings” is unclear if it relates to “updated policy settings” (claim 9, line 14);

w. In claim 17, line 2: “a corresponding updated policy version” is unclear if it relates to “a corresponding updated policy version” (claim 9, lines 16-17);

x. In claim 17, line 3: “sending or more” should read –sending one or more–;

y. In claim 18, line 1: “a data request” is unclear if it relates to “a data request” (claim 9, line 19);

z. In claim 18, line 2: “an act of receiving” is unclear if it relates to “an act of receiving” (claim 9, line 19);

aa. In claim 18, line 3: “the user” lacks antecedent basis;

bb. In claim 20, lines 4 and 11: “data” is unclear if it relates to “data” (claim 20, line 2);

cc. In claim 20, line 7: “a mobile device” is unclear if it relates to “mobile device” (claim 20, line 3);

dd. In claim 20, line 8: “the current policy settings” lacks antecedent basis.

Appropriate correction is required.

Drawings

7. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character “109” has been used to designate both Antenna and Dialing Controls (Figures 1 and 3).

8. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference characters "193" (0078, line 1) and "194" (Figure 3) have both been used to designate Configuration enforcement module.

9. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: 110 (0040, line 6); 118DA (0053, line 8); 17A, B, F, and H (0053, line 9); 192L (0084, line 5).

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet

submitted after the filing date of an application must be labeled in the top margin as either “Replacement Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 101

10. 35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claim 20 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

The claims are drawn to a computer program per se. Computer programs claimed as computer listings per se are abstract instructions Computer programs are neither computer components nor statutory processes, as they are not “acts” being performed. Such claimed computer programs do not define any structural and functional interrelationships between the computer program and other claimed elements of a computer which permit the computer program’s functionality to be realized. As such, these claims are not directed to one of the statutory categories of invention (See MPEP 2106.01), but are directed to nonstatutory functional descriptive material.

Please note that computer programs embodied on a computer readable medium or other structure, which would permit the functionality of the program to be realized, would be directed to a product and be within a statutory category of invention, so long as the

computer readable medium is not disclosed as non-statutory subject matter per se (electromagnetic signals or carrier waves).

It is noted that the specification discloses that the term computer-readable media includes both storage media and communications media (0096, lines 9-10) and that communications media typically embody computer-readable instructions in a modulated data signal such as a carrier wave (0096, lines 3-6).

Claim Rejections - 35 USC § 102

11. 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 –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

12. Claims 1, 3, 5, and 6 are rejected under 35 U.S.C. 102(b) as being anticipated by Albert et al. (US 2003/0177389 A1 and Albert hereinafter).

As to claim 1, Albert discloses a system and method for security policy arbitration, the system and method having:

an act of receiving a request from a mobile device, the request requesting that the mobile device be permitted to access data maintained by the computer system, the request indicating a current mobile device configuration of the mobile device (0025, lines 4-8; 0071, lines 32-36)**;**

an act of determining that current mobile device configuration is not appropriate for accessing the maintained data (0072, lines 10-12, 16-18)**;**

an act of sending device configuration settings to the mobile device, the device configuration settings representing a new mobile device configuration that is appropriate accessing the maintained data (0072, lines 16-21)**;**

an act of receiving an indication that the mobile device is configured in accordance (i.e. confirming compliance) **with the device configuration settings subsequent to sending the device configuration settings to the mobile device** (0096, lines 1-8)**;**

an act of permitting the mobile device to access the maintained data in response to receiving the indication that the mobile device is configured in accordance with the device configuration settings (0025, lines 11-13)**.**

As to claim 3, Albert discloses:

wherein the act of receiving a request from a mobile device comprises an act of receiving a request for a Web page (0083, lines 11-15)**.**

As to claim 5, Albert discloses:

wherein the act of determining that current mobile device configuration is not appropriate for accessing the maintained data comprises an act of comparing a received configuration version to one or more configuration versions representing appropriate configurations for accessing the maintained data (0066, lines 11-16)**.**

As to claim 6, Albert discloses:

wherein an act of sending device configuration settings to the mobile device comprises sending configuration settings that are designated to alter the current configuration of one or more of an operating system, an application program, hardware, allocated resources, a network interface, and wireless protocol settings, at the mobile device (0020, lines 8-11; 0072, lines 16-21)**.**

Claim Rejections - 35 USC § 103

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

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

14. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

15. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Albert.

As to claim 4, Albert discloses:

wherein the act of receiving a request from a mobile device comprises an act of receiving a request from a mobile device selected from among a PDA (0071, lines 1-6) but does not disclose where the mobile device is selected from a mobile telephone or a watch.

Albert teaches that the client device may be another type of computing device (0071, lines 1-4). It would have been obvious to one of ordinary skill in the art at the time the invention was made to use a mobile telephone or a watch as a mobile device since they are both types of computing devices.

16. Claims 2, 7, and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Albert as applied to claim 1 above, and further in view of Engle et al. (US 2007/0101405 A1 and Engle hereinafter).

As to claim 2, Albert does not disclose:

wherein the act of receiving a request from a mobile device comprises an act of receiving a request that was sent in accordance with HTTP.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert, as taught by Engle.

Engle discloses a system and method for secure network connectivity, the system and method having:

wherein the act of receiving a request from a mobile device comprises an act of receiving a request that was sent in accordance with HTTP (0027, lines 3-8; 0038, lines 11-12)**.**

Given the teaching of Engle, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert with the teachings of Engle by receiving an HTTP request. Engle recites motivation by disclosing that providing a URL in HTTP is a safe way to point the user to a web page that describes in more detail conditions that must be satisfied before access is given (0042, lines 4-9). It is obvious that the teachings of Engle would have improved the teachings of Albert by receiving an HTTP request in order to provide a safe way to implement conditions required for access.

As to claim 8, Albert does not disclose:

an act of notifying the mobile device that access to maintained data has been permitted.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert, as taught by Engle.

Engle discloses:

an act of notifying (i.e. transmit token) **the mobile device that access to maintained data has been permitted** (0018, lines 7-9)**.**

Given the teaching of Engle, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying

the teachings of Albert with the teachings of Engle by notifying that access is allowed. Engle recites motivation by disclosing that a token must be presented in order for a bridge server to allow access to a network (0018, lines 10-13). It is obvious that the teachings of Engle would have improved the teachings of Albert by notifying a device that access is allowed in order to indicate that the token can be sent to a server for access.

As to claim 7, Albert discloses:

> **wherein the act of receiving an indication that the mobile device is configured in accordance with the device configuration settings comprises comparing a comprises an act of comparing a received configuration version to one or more configuration versions representing appropriate configurations for accessing the maintained data** (0066, lines 11-16)**.**

17. Claims 9-12, 14-17, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Albert and further in view of Engle.

As to claims 9 and 20, Albert discloses:

> **an act of receiving a data command from a mobile device, the data command indicating a policy version, the policy version representing the current policy settings at the mobile device** (0085, lines 1-9)**;**

an act of determining that the current policy settings at the mobile device are not appropriate for accessing data maintained by the computer system (0072, lines 10-12, 16-18)**;**

an act of identifying updated policy settings that are appropriate for accessing the maintained data (0047, lines 8-15)**;**

an act of sending the updated policy settings along with a corresponding updated policy version to the mobile device, the updated policy version representing the updated policy settings (0072, lines 16-21)**;**

an act of receiving a data request along with the updated policy version from the mobile device, the data request requesting that the mobile device be permitted to access the maintained data, the updated policy version indicating that the mobile device is configured in accordance with the updated policy settings (0025, lines 4-8; 0071, lines 32-36; 0096, lines 1-8)**.**

Albert does not disclose:

an act of notifying the mobile device that the current policy settings are not appropriate for accessing the maintained data;

an act of receiving a policy request from the mobile device, the policy request requesting policy settings that are appropriate for accessing the maintained data;

an act of notifying the mobile device that access to the maintained data has been permitted.

Nonetheless, these features are well known in the art and would have been an obvious modification of the teachings disclosed by Albert, as taught by Engle.

Engle discloses:

> **an act of notifying** (i.e. requesting) **the mobile device that the current policy settings are not appropriate for accessing the maintained data** (0012, lines 10-12)**;**
>
> **an act of receiving a policy request** (i.e. additional information) **from the mobile device, the policy request requesting policy settings that are appropriate for accessing the maintained data** (0012, lines 10-12)**;**
>
> **an act of notifying** (i.e. transmit token) **the mobile device that access to the maintained data has been permitted** (0018, lines 7-9)**.**

Given the teaching of Engle, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert with the teachings of Engle by requesting an appropriate policy and notifying the device that access is allowed. Engle recites motivation by disclosing that requesting a policy allows a non-compliant client to become compliant (0009, lines 1-4). It is obvious that the teachings of Engle would have improved the teachings of Albert by requesting an appropriate policy if non-compliance is determined in order to allow an initially non-compliant client to be given access. Please also refer to the motivation recited above in respect to claim 8 as to why it is obvious to apply the teachings of Engle to the teachings of Albert.

As to claim 10, Albert does not disclose:

wherein the act of receiving a data command from a mobile device comprises an act of receiving a request for electronic mail data.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert, as taught by Engle.

Engle discloses:

wherein the act of receiving a data command from a mobile device comprises an act of receiving a request for electronic mail data (0027, lines 9-13; 0012, lines 3-4)**.**

Given the teaching of Engle, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert with the teachings of Engle by requesting electronic mail. Engle recites motivation by disclosing that resources may be accessible on a network through a server, such as an e-mail server (0001, lines 4-12; 0027, lines 11-13). It is obvious that the teachings of Engle would have improved the teachings of Albert by receiving a request for electronic mail in order to allow an external user to access resources through a server on an internal network.

As to claim 11, Albert discloses:

wherein an act of determining that the current policy settings at the mobile device are not appropriate for accessing data maintained by the computer system comprises an act of comparing a received policy version,

representing the current policy settings to one or more policy versions representing appropriate policy settings for accessing the maintained data (0066, lines 11-16)**.**

As to claim 12, Albert discloses:

wherein an act of determining that the current policy settings at the mobile device are not appropriate for accessing data maintained by the computer system comprises an act of determining that the mobile device does not have **policy settings** (0066, lines 6-7) but does not disclose that the device does not **support policy settings**. The applicant discloses in [0059], lines 1-3 of the specification that it is known that lack of an expressly included policy version can indicate that a mobile device does not support policies. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made that a policy not being available on a client device can indicate that policy settings are not supported, as shown by the applicant.

As to claim 14, Albert does not disclose:

wherein the act of receiving a policy request from the mobile device comprises an act of receiving a policy request for policy settings that are appropriate for accessing electronic mail data.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert, as taught by Engle.

Engle discloses:

> **wherein the act of receiving a policy request from the mobile device comprises an act of receiving a policy request for policy settings that are appropriate for accessing electronic mail data** (0012, lines 10-12; 0027, lines 9-13).

Given the teaching of Engle, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert with the teachings of Engle by receiving a request for accessing electronic mail. Please refer to the motivation recited above in respect to claim 10 as to why it is obvious to apply the teachings of Engle to the teachings of Albert.

As to claim 15, Albert discloses:

> **wherein the act of receiving a request from a mobile device comprises an act of receiving a request from a mobile device selected from among a PDA** (0071, lines 1-6) but does not disclose where the mobile device is selected from a mobile telephone or a watch.
>
> Albert teaches that the client device may be another type of computing device (0071, lines 1-4). It would have been obvious to one of ordinary skill in the art at the time the invention was made to use a mobile telephone or a watch as a mobile device since they are both types of computing devices.

As to claim 16, Albert discloses:

wherein the act of identifying updated policy settings (i.e. settings to be applied) **that are appropriate for accessing the maintained data comprises an act identifying one or more of PIN lock settings, storage wipe settings, periodic enforcement settings, and policy exceptions** (0047, lines 12-15; 0050, lines 1-3)**.**

As to claim 17, Albert discloses:

wherein the act of sending the updated policy settings along with a corresponding updated policy version to the mobile device comprises an act of sending or more of PIN lock settings, storage wipe settings, periodic enforcement settings, and policy exceptions (0050, lines 1-3; 0072, lines 16-21)**.**

18. Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Albert in view of Engle as applied to claim 9 above, and further in view of Patanella (US 2004/0193907 A1).

As to claim 13, Albert in view of Engle does not disclose:

wherein an act of determining that the current policy settings at the mobile device are not appropriate for accessing data maintained by the computer system comprises an act of determining that the mobile device does not support PIN lock.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert in view of Engle, as taught by Patanella.

Patanella discloses a system and method for assessing and advising on electronic compliance, the system and method having:

> **wherein an act of determining that the current policy settings at the mobile device are not appropriate for accessing data maintained by the computer system comprises an act of determining that the mobile device does not support PIN lock** (i.e. password) (0019, lines 1-3, 9-10; 0047, lines 1-4, 10-17)**.**

Given the teaching of Patanella, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert in view of Engle with the teachings of Patanella by determining if the device supports a PIN lock. Patanella recites motivation by disclosing that security policies requiring safeguards prevent remote hacking (0047, lines 8-10). It is obvious that the teachings of Patanella would have improved the teachings of Albert in view of Engle by determining if a mobile device supports a PIN lock (i.e. password) in order to require safeguards to prevent remote hacking.

19. Claim 18 is rejected under 35 U.S.C. 103(a) as being unpatentable over Albert in view of Engle as applied to claim 9 above, and further in view of Herrmann et al. (US 2003/0055994 A1 and Herrmann hereinafter).

As to claim 18, Albert in view of Engle does not disclose:

> **where the act of receiving a data request along with the updated policy version from the mobile device comprises an act of receiving a policy version indicating that the user of the mobile device is at least temporarily excepted from policy compliance**.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert in view of Engle, as taught by Herrmann.

Herrmann discloses a system and method for providing anti-virus cooperative enforcement, the system and method having:

> **where the act of receiving a data request along with the updated policy version from the mobile device comprises an act of receiving a policy version indicating that the user of the mobile device is at least temporarily excepted** (i.e. restricted access) **from policy compliance** (0079, lines 11-19)**.**

Given the teaching of Herrmann, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert in view of Engle with the teachings of Herrmann by at least temporarily excepting a device from policy compliance. Herrmann recites motivation by disclosing that providing restrictive access to a non-compliant device allows the system to assist the user in remedying non-compliance (0081, lines 1-4). It is obvious that the teachings of Herrmann would have improved the teachings of Albert in

view of Engle by excepting a device from policy compliance in order to allow the device to make changes to become compliant.

20. Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over Albert in view of Engle as applied to claim 9 above, and further in view of Shahbazi (WO 2004/021114 A2).

As to claim 19, Albert in view of Engle does not disclose:

An act of initiating a remote storage wipe of the mobile device.

Nonetheless, this feature is well known in the art and would have been an obvious modification of the teachings disclosed by Albert in view of Engle, as taught by Shahbazi.

Shahbazi discloses a system and method for enterprise-wide security, the system and method having:

An act of initiating a remote storage wipe of the mobile device (page 13, lines 18-20**.**

Given the teaching of Shahbazi, a person having ordinary skill in the art at the time of the invention would have readily recognized the desirability and advantages of modifying the teachings of Albert in view of Engle with the teachings of Shahbazi by remotely initiating a wipe of a device. Shahbazi recites motivation by disclosing that a wipe is executed if the computing node that transferred a security profile to the device is not authorized in order to lock the device (page 13 lines 7-10, 15-18). It is obvious that the teachings of Shahbazi would have improved the teachings of Albert in view of Engle

by initiating a remote wipe in order to lock the device if the node that provided the security profile to the device is unauthorized.

Prior Art Made of Record

21. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. McDaniel et al. (US 2003/0126464 A1) discloses a system and method for determining and enforcing security policy in a communication session.

b. Wright el at. (US 2004/0123150 A1) discloses a system and method for protection of data accessible by a mobile device using security policies.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sarah Su whose telephone number is (571) 270-3835. The examiner can normally be reached on Monday through Friday 7:30AM-5:00PM EST..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. 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.

/Ayaz R. Sheikh/
Supervisory Patent Examiner, Art Unit 2431

/Sarah Su/
Examiner, Art Unit 2431

Notice of References Cited	Application/Control No. 11/171,850	Applicant(s)/Patent Under Reexamination LIMONT ET AL.	
	Examiner Sarah Su	Art Unit 2431	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2003/0055994 A1	03-2003	Herrmann et al.	709/229
*	B	US-2003/0126464 A1	07-2003	McDaniel et al.	713/201
*	C	US-2003/0177389 A1	09-2003	Albert et al.	713/201
*	D	US-2004/0123150 A1	06-2004	Wright et al.	713/201
*	E	US-2004/0193907 A1	09-2004	Patanella, Joseph	713/200
*	F	US-2006/0112427 A1	05-2006	Shahbazi, Majid	726/016
*	G	US-2007/0101405 A1	05-2007	Engle et al.	726/004
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

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EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	367	device wipe	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/20 08:45
L2	3	device wipe same policy	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/20 08:45
L3	29	wipe same policy	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/20 08:46
L4	12	wipe same remote and policy	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/20 09:13
L5	27	wipe same mobile and policy	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/20 09:14
L6	0	mobile and ((no or "not") near support near policy)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/20 09:39
L7	1	((no or "not") near support near policy)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/20 09:40
L8	36	((no or "not") near support same policy)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/20 09:40
L9	1282	((no or "not") near policy)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/20 09:45
L10	381	((no or "not") near policy) and mobile	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/20 09:45
L11	27	((no or "not") near policy) and mobile same complian $2	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/20 09:45

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L12	117	((no or "not") near policy) same (setting or configuration)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/20 09:48
L13	9	policy same mobile same password same complian $2	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/20 10:05
L15	140	policy same password same complian$2	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/20 10:05
L16	1256	726/3.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/20 10:36
L17	403	726/3.ccls. and policy	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/20 10:36
L18	31	726/3.ccls. and policy same complian$2	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/20 10:36
S1	14	((DAVID) near2 (LIMONT)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:06
S2	12	((DAVID) near2 (LIMONT)).INV. and mobile.clm.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:09
S3	5	((DAVID) near2 (LIMONT)).INV. and access.clm.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:10
S4	1	((DAVID) near2 (LIMONT)).INV. and access.clm. and configuration.clm.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:23
S5	121	((JOHN) near2 (ATWOOD)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:23
S6	1	((JOHN) near2 (ATWOOD)).INV. and access.clm. and configuration.clm.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:23
S7	4	((MASSIMILIANO) near2 (CICCOTOSTO)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:24
S8	2	((MASSIMILIANO) near2 (CICCOTOSTO)).INV. and access.clm.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:24
S9	5	((OMAR) near2 (AFTAB)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:24

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S10	3	((OMAR) near2 (AFTAB)).INV. and access.clm.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:24
S11	1	((OMAR) near2 (AFTAB)).INV. and access.clm. and configuration.clm.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:24
S12	4	((PATRICK) near2 (TOUSIGNANT)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:24
S13	3	((PATRICK) near2 (TOUSIGNANT)).INV. and access.clm.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:25
S14	9	((SELVARAJ) near2 (NALLIAH)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:25
S15	2	((SELVARAJ) near2 (NALLIAH)).INV. and access.clm.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:25
S16	7	((ZHIDONG) near2 (YANG)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:25
S17	2	((ZHIDONG) near2 (YANG)).INV. and access.clm.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:26
S18	25636	microsoft.as.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:26
S19	24	microsoft.as. and access.clm. and configuration.clm. and mobile.clm.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:26
S20	3	microsoft.as. and access.clm. and configuration.clm. and mobile.clm. and policy.clm.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 08:26
S21	50	(US-20070006289-$ or US-20040123150-$ or US-20040123153-$ or US-20050055578-$ or US-20060112427-$ or US-20070143824-$ or US-20070186275-$ or US-20080046965-$ or US-20080052395-$ or US-20080077971-$ or US-20080109679-$ or US-20030126298-$ or US-20080008125-$ or US-20080034065-$ or US-20080233967-$ or US-20080276302-$ or US-20040133687-$).did. or (US-7308703-$ or US-7353533-$ or US-7478420-$ or US-6085098-$ or US-6292830-$ or US-7269668-$ or US-6175434-$ or US-	US-PGPUB; USPAT	ADJ	ON	2009/02/19 09:47

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		5274841-$ or US-5572528-$ or US-5748619-$ or US-6167450-$ or US-5210753-$ or US-5212806-$ or US-5239673-$ or US-5414817-$ or US-5515509-$ or US-5521958-$ or US-5621798-$ or US-5717737-$ or US-5745750-$ or US-5751704-$ or US-5774717-$ or US-5787111-$ or US-5790536-$ or US-5841854-$ or US-5898679-$).did. or (US-5903845-$ or US-5917629-$ or US-5917865-$ or US-5933420-$ or US-5933778-$ or US-5940752-$ or US-5987062-$).did.				
S22	1	("2004/0123150").URPN.	USPAT	ADJ	ON	2009/02/19 09:49
S23	50	("20010038626" | "20010044849" | "20020055817" | "20020078361" | "20020095486" | "20020095488" | "20020112046" | "20020160745" | "20020161905" | "20020166068" | "20020186688" | "20020191593" | "20030053475" | "20030055962" | "20030065942" | "20030070067" | "20030081821" | "20030084323" | "20030112178" | "20030135749" | "20030159060" | "20030167405" | "20030177389" | "20030184474" | "20030194500" | "20040003289" | "20040010579" | "20040018844" | "20040052232" | "20040192339" | "20040203718" | "20040203902" | "20040203903" | "20040215956" | "5724487" | "5930810" |	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/19 09:50

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		"5987611" | "6088457" | "6484261" | "6577274" | "6580914" | "6609196" | "6681107" | "6728885" | "6772213" | "6778837" | "6873988" | "7069581" | "7093283").PN. OR ("7308703").URPN.				
S24	1	"20030055994".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/19 13:39
S25	719	726/6.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 14:17
S26	114	726/6.ccls. and (policy same request$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 14:17
S27	23	726/6.ccls. and (policy same request$3) and complian$2	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 14:17
S28	79	726/6.ccls. and (configur $5 or setting) and complian$2	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 14:24
S29	21	726/6.ccls. and (configur $5 or setting) same complian$2	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 14:25
S30	28295	(configur$5 or setting) same complian$2	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 14:27
S31	919	(configur$5 or setting) same policy same complian $2	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 14:27
S32	582	(configuration or setting) same policy same complian $2	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 14:27
S33	114	(configuration or setting) same policy same complian $2 same request$3	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 14:28
S34	19	policy same complian$2 same (pin or personal identification number)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 15:43

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S35	609	policy same complian$2 same (support$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 15:49
S36	111	policy same complian$2 same (support$3) same (setting or configuration)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 15:50
S37	1	"6158007".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 16:07
S38	1273	726/1.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 16:08
S39	206	726/1.ccls. and policy same complian$3	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 16:09
S40	33	726/1.ccls. and policy same complian$3 same support	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 16:09
S41	2	policy same complian$3 same ((no or "not") near support$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 16:12
S42	1	"6158010".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 16:13
S43	85	policy same ((no or "not") near support$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 16:16
S44	162	((no or "not") near policy) same (check$3 or complian $2)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 16:20
S45	0	((no or "not") near support near policy) same (check$3 or complian$2)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 16:29
S46	1	((no or "not") near support near policy)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 16:29

IPR2024-00809
Petitioner's Exhibit 1013
Page 000325

S47	290	((no or "not") with support with policy)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 16:29
S48	4	((no or "not") near2 support near2 policy)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 16:29
S49	12	(US-20070006289-$ or US-20080008125-$ or US-20040123150-$ or US-20030177389-$ or US-20030055994-$ or US-20070150559-$ or US-20070101405-$ or US-20030126464-$).did. or (US-7308703-$ or US-5774717-$ or US-5903845-$ or US-6873988-$).did.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 16:35
S50	7	S49 and (password or pin or personal identification number)	US-PGPUB; USPAT	ADJ	ON	2009/02/19 16:35
S51	23	ignor$3 same policy same complian$2	US-PGPUB; USPAT	ADJ	ON	2009/02/19 16:42
S52	110	except$3 same policy same complian$2	US-PGPUB; USPAT	ADJ	ON	2009/02/19 16:44
S53	14	(US-20070006289-$ or US-20080008125-$ or US-20040123150-$ or US-20030177389-$ or US-20030055994-$ or US-20070150559-$ or US-20070101405-$ or US-20030126464-$ or US-20060143685-$ or US-20040193703-$).did. or (US-7308703-$ or US-5774717-$ or US-5903845-$ or US-6873988-$).did.	US-PGPUB; USPAT	ADJ	ON	2009/02/19 16:54
S54	13	S53 and (eras$3 or delet $3 or wipe or format$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 16:54
S55	63	mobile same (eras$3 or delet$3 or format or reset $3 or wipe) near remot$3	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 16:57
S56	5	mobile same (eras$3 or delet$3 or format or reset $3 or wipe) near remot$3 and policy	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	ADJ	ON	2009/02/19 16:59

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Petitioner's Exhibit 1013
Page 000326

2/20/2009 12:40:57 PM
H:\11171850_Limont\11171850_ESearch.wsp

IPR2024-00809
Petitioner's Exhibit 1013
Page 000327

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11171850	LIMONT ET AL.
	Examiner	Art Unit
	Sarah Su	2431

SEARCHED			
Class	Subclass	Date	Examiner
none			

SEARCH NOTES		
Search Notes	Date	Examiner
PLUS Search	2/19/09	SS
Inventor Search	2/19/09	SS
EAST Search (see attached)	2/20/09	SS

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

IPR2024-00809
Petitioner's Exhibit 1013
Page 000328

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Alexandria, Virginia 22313-1450
www.uspto.gov

BIB DATA SHEET

CONFIRMATION NO. 5452

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
11/171,850	06/30/2005 RULE	713	2431	13768.614

APPLICANTS

David P. Limont, Seattle, WA;
John Allen Atwood, Duvall, WA;
Massimiliano Ciccotosto, Kirkland, WA;
Omar Aftab, Redmond, WA;
Patrick Tousignant, Bellevue, WA;
Selvaraj Nalliah, Redmond, WA;
Zhidong Yang, Bellevue, WA;

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

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

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ****
08/09/2005

Foreign Priority claimed	35 USC 119(a-d) conditions met	Verified and Acknowledged	Met after Allowance	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
☐ Yes ☑ No	☐ Yes ☑ No	/SARAH SU/ Examiner's Signature	☐ Initials	WA	5	20	3

ADDRESS

MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052-6399
UNITED STATES

TITLE

Enforcing device settings for mobile devices

FILING FEE RECEIVED		
1130	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

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	11171850	LIMONT ET AL.
	Examiner	Art Unit
	Sarah Su	2431

✓	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	02/20/2009								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
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	16	✓								
	17	✓								
	18	✓								
	19	✓								
	20	✓								

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Petitioner's Exhibit 1013
Page 000330

PLUS Search Results for S/N 11171850, Searched Thu Feb 19 08:40:31 EST 2009

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

20070006289 99
7308703 85
7353533 85
7478420 85
20040123150 85
20040123153 85
20050055578 85
20060112427 85
20070143824 85
20070186275 85
20080046965 85
20080052395 85
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20080034065 85
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5274841 71
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5933778 71
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/171,850	06/30/2005	David P. Limont	13768.614

CONFIRMATION NO. 5452

22971
MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052-6399

POA ACCEPTANCE LETTER

OC00000033628738

Date Mailed: 12/17/2008

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 12/10/2008.

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.

/sabuna/

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
11/171,850	06/30/2005	David P. Limont	13768.614

CONFIRMATION NO. 5452

47973
WORKMAN NYDEGGER/MICROSOFT
1000 EAGLE GATE TOWER
60 EAST SOUTH TEMPLE
SALT LAKE CITY, UT 84111

POWER OF ATTORNEY NOTICE

OC000000033628675

Date Mailed: 12/17/2008

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 12/10/2008.

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

/sabuna/

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

IPR2024-00809
Petitioner's Exhibit 1013
Page 000333

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

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

I hereby appoint:

☒ **Practitioners associated with the Customer Number:** **22971**

OR

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

Name	Registration Number

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

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

☒ The address associated with Customer Number: **22971**

Assignee Name and Address:

MICROSOFT CORPORATION
ONE MICROSOFT WAY
REDMOND, WA 98052

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

SIGNATURE of Assignee of Record

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

Signature	D. Bartley Eppenauer	**Date**	12/20/2004
Name	D. Bartley Eppenauer	**Telephone**	425-703-0645
Title	Assistant Secretary		

Electronic Acknowledgement Receipt

EFS ID:	4432418
Application Number:	11171850
International Application Number:	
Confirmation Number:	5452
Title of Invention:	Enforcing device settings for mobile devices
First Named Inventor/Applicant Name:	David P. Limont
Customer Number:	47973
Filer:	Thomas S. Wong/Noemi Tovar
Filer Authorized By:	Thomas S. Wong
Attorney Docket Number:	13768.614
Receipt Date:	10-DEC-2008
Filing Date:	30-JUN-2005
Time Stamp:	17:14:02
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	Assignee showing of ownership per 37 CFR 3.73(b).	312878-01-3-73-b-Statement-filed-12-10-08.pdf	39079 48a6bac3e3404cef87f0a098940d5a9d0bbe8a57	no	1

Warnings:	
Information:	

2	Power of Attorney	312878-01-POA-filed-12-10-08.pdf	78770 684847e8a0c9169e20ec4db24745a289d55dbefc	no	1

Warnings:	
Information:	
Total Files Size (in bytes):	117849

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

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

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

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

PTO/SB/96 (08-08)
Approved for use through 08/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Microsoft Corporation

Application No./Patent No.: 11/171,850 Filed/Issue Date: 06/30/2005

Entitled: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

Microsoft Corporation, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☑ the assignee of the entire right, title, and interest; or

2. ☐ an assignee of less than the entire right, title and interest
(The extent (by percentage) of its ownership interest is_____ %)

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

A. ☑ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 016515, Frame 0073, or for which a copy thereof is attached.

OR

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

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

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

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

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

☐ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

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

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

/MacLane C. Key/	December 10, 2008
Signature	Date
MacLane C. Key	703-647-6566
Printed or Typed Name	Telephone Number
Patent Attorney - Reg. No. 48,250	
Title	

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

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

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APPLICATION NUMBER	FILING OR 371(c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
11/171,850	06/30/2005	David P. Limont	13768.614

CONFIRMATION NO. 5452

47973
WORKMAN NYDEGGER/MICROSOFT
1000 EAGLE GATE TOWER
60 EAST SOUTH TEMPLE
SALT LAKE CITY, UT84111

Title: Enforcing device settings for mobile devices

Publication No. US-2007-0006289-A1
Publication Date: 01/04/2007

NOTICE OF PUBLICATION OF APPLICATION

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

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

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

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

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

Pre-Grant Publication Division, 703-605-4283

08-18-05

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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
11/171,850	06/30/2005	Limont P. David	13768.614

CONFIRMATION NO. 5452

47973
WORKMAN NYDEGGER/MICROSOFT
1000 EAGLE GATE TOWER
60 EAST SOUTH TEMPLE
SALT LAKE CITY, UT 84111

OIPE JC106
AUG 17 2005
PATENT & TRADEMARK OFFICE

FORMALITIES LETTER

Date Mailed: 08/09/2005

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing. *A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
  Note: If a petition under 37 CFR 1.47 is being filed, an oath or declaration in compliance with 37 CFR 1.63 signed by all available joint inventors, or if no inventor is available by a party with sufficient proprietary interest, is required.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.16(f) of $130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **$130** for a Large Entity

- **$130** Surcharge.

08/19/2005 CNGUYEN2 00000027 11171850
01 FC:1051 130.00 OP

Replies should be mailed to: Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

A copy of this notice MUST be returned with the reply.

Office of Initial Patent Examination (703) 308-1202
PART 2 - COPY TO BE RETURNED WITH RESPONSE

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10) Applicant(s): David P. Limont, et al.	Docket No. 13768.614

Application No.	Filing Date	Examiner	Customer No	Group Art Unit
11/171,850	June 30, 2005	Not yet assigned	47973	2131

Invention: ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

OIPE
AUG 17 2005
PATENT & TRADEMARK OFFICE
JC105

I hereby certify that the following correspondence:

SUBMITTED: Transmittal Letter (3 pages) (in duplicate); Declaration, Power of Attorney and Petition (8 pages); Copy of Notice to File Missing Parts (2 pages); PTO-2038 Credit Card Payment Form for $130.00; Certificate of Deposit (EV 710327409 US); Postcard)

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

August 17, 2005
(Date)

Connie Boulton
(Typed or Printed Name of Person Mailing Correspondence)

Connie Boulton
(Signature of Person Mailing Correspondence)

EV 710327409 US
("Express Mail" Mailing Label Number)

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VERNON R. RICE §
OF COUNSEL

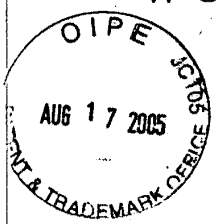


* Admitted only in California
§ Admitted only in Virginia

WORKMAN | NYDEGGER

INTELLECTUAL PROPERTY ATTORNEYS

1000 EAGLE GATE TOWER
60 EAST SOUTH TEMPLE
SALT LAKE CITY, UTAH 84111
TELEPHONE: (801) 533-9800
FAX: (801) 328-1707
WEBSITE: HTTP://WWW.WNLAW.COM



Express Mail Label No. EV 710327409 US

PATENT APPLICATION
Docket: 13768.614

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	David P. Limont, et al.
Serial No.:	11/171,850
Confirmation No.:	5452
Filed:	June 30, 2005
For:	ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES
Customer No.:	47973

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION

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

Attention: Application Division, Special Handling Unit

Sir:

In response to the Notice to File Missing Parts of Application mailed August 9, 2005, please find enclosed herewith the following items for filing in the United States Patent and Trademark Office in connection with the above-identified patent application:

(1) a Declaration, Power of Attorney, and Petition executed by the inventors David P. Limont, et al.;

(2) an Assignment from the inventors David P. Limont, et al. to Microsoft Corporation;

(3) a copy of the Notice to File Missing Parts of Application - Filing Date Granted;

(4) PTO 2038 Credit Card Form in the amount of $130.00 to cover the filing fee for the above-identified application, the recordation fee for the enclosed patent assignment, and the surcharge fee pursuant to 37 C.F.R. § 1.16(e). These fees have been calculated as follows:

Basic filing fee for a large entity	=	$0.00
Fee for independent claims (0 - 3 x $41.00)	=	$0.00
Fee for total claims (0 - 20 x $11.00)	=	$0.00
Assignment recordation fee	=	$0.00
Surcharge fee	=	$130.00
TOTAL	=	$130.00

Please debit any additional fees, or credit any overpayment, to Deposit Account No. 23-3178. Triplicate copies of this sheet are enclosed.

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or to credit any overpayment to Deposit Account No. 23-3178. Copies of this sheet are enclosed in triplicate.

X Any additional filing fees required under 37 C.F.R. § 1.16.

X Any patent application processing fees under 37 C.F.R. § 1.17.

The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 23-3178. Copies of this sheet are enclosed in triplicate.

X Any patent application processing fees under 37 C.F.R. § 1.17.

__ The issue fee set in 37 C.F.R. § 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

X Any filing fees under 37 C.F.R. § 1.16 for presentation of extra claims.

Please address all future correspondence in connection with this case to the attention of the undersigned.

Dated this 17th day of August, 2005.

Respectfully submitted,

Michael B. Dodd
Attorney for Applicant
Registration No. 46,437
Customer No. 47973

MBD:crb
Enclosures
CRB0000000033V001

PATENT APPLICATION

DECLARATION AND POWER OF ATTORNEY

ATTORNEY DOCKET NO. 13768.614 MS DOCKET NO. 312878.01

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES**

the specification of which is filed herewith unless the following box is checked:

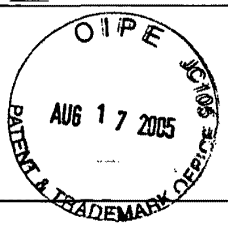
(x) was filed on June 30, 2005 as US Application Serial No. 11/171,850.

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES:___ NO:
			YES:___ NO:



POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) associated with

Customer No. 47973

David Bartley Eppenauer Reg. No. 35499	Martin L. Shively Reg. No. 33553	Patricia E. Bornes Reg. No. 37038
Stacy Quan Reg. No. 33760	Jeffrey L. Ranck Reg. No. 38590	John Weresh Reg. No. 32332

to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Send Correspondence to:	**Direct Telephone Calls To:**
RICK D. NYDEGGER **WORKMAN NYDEGGER** **1000 Eagle Gate Tower** **60 East South Temple** **Salt Lake City, Utah 84111**	**RICK D. NYDEGGER** **Telephone: (801) 533-9800** **Facsimile: (801) 328-1707**

IPR2024-00809
Petitioner's Exhibit 1013
Page 000345

DECLARATION AND POWER OF ATTORNEY

ATTORNEY DOCKET NO. 13768.614 **MS DOCKET NO. 312878.01**

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

Full Name of Inventor: David P. Limont

Citizenship: United States

Residence: 3850 38th Ave S.
Seattle, WA 98118

Post Office Address:

Inventor's Signature

6-30-2005

Date

IPR2024-00809
Petitioner's Exhibit 1013
Page 000346

DECLARATION AND POWER OF ATTORNEY

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Full Name of Inventor: John Allen Atwood

Citizenship: United States

Residence: 14823 1st Ave NE
Duvall, WA 98019

Post Office Address:

John Allen Atwood
Inventor's Signature

6-29-05
Date

IPR2024-00809
Petitioner's Exhibit 1013
Page 000347

DECLARATION AND POWER OF ATTORNEY

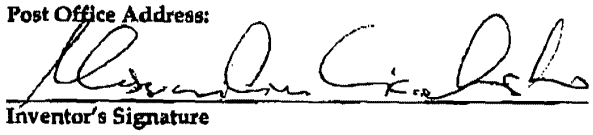
ATTORNEY DOCKET NO. 13768.614 **MS DOCKET NO. 312878.01**

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Full Name of Inventor: Massimiliano Ciccotosto **Citizenship: Italy**

Residence: 109 2nd St, 623
Kirkland, WA 98033

Post Office Address:



Inventor's Signature

6/29/05

Date

IPR2024-00809
Petitioner's Exhibit 1013
Page 000348

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Full Name of Inventor: Omar Aftab

Citizenship: Pakistan

Residence: 15606 NE 40th Street
Apt V382
Redmond, WA 98052

Post Office Address:

Inventor's Signature

6-29-05
Date

IPR2024-00809
Petitioner's Exhibit 1013
Page 000349

DECLARATION AND POWER OF ATTORNEY

ATTORNEY DOCKET NO. 13768.614 **MS DOCKET NO. 312878.01**

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Full Name of Inventor: Patrick Tousignant **Citizenship: Canada**

Residence: 2406 161st Avenue NE
Bellevue, WA 98008

Post Office Address:

Patrick Tousignant
Inventor's Signature

6-29-2005
Date

IPR2024-00809
Petitioner's Exhibit 1013
Page 000350

DECLARATION AND POWER OF ATTORNEY

ATTORNEY DOCKET NO. 13768.614 **MS DOCKET NO. 312878.01**

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Full Name of Inventor: Selvaraj Nalliah

Citizenship: India

Residence: 2702 186th Ave. NE
Redmond, WA 98052

Post Office Address:

Inventor's Signature

6/29/2005
Date

IPR2024-00809
Petitioner's Exhibit 1013
Page 000351

DECLARATION AND POWER OF ATTORNEY

ATTORNEY DOCKET NO. 13768.614 **MS DOCKET NO. 312878.01**

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Full Name of Inventor: Zhidong Yang **Citizenship: P.R. China**

Residence: 5814 147th Ave. NE
Bellevue, WA 98007

Post Office Address:

Zhidong Yang
Inventor's Signature

07/05/05
Date

IPR2024-00809
Petitioner's Exhibit 1013
Page 000352

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
11/171,850	06/30/2005	Limont P. David	13768.614

CONFIRMATION NO. 5452

47973
WORKMAN NYDEGGER/MICROSOFT
1000 EAGLE GATE TOWER
60 EAST SOUTH TEMPLE
SALT LAKE CITY, UT 84111

FORMALITIES LETTER

Date Mailed: 08/09/2005

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing. *A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
  Note: If a petition under 37 CFR 1.47 is being filed, an oath or declaration in compliance with 37 CFR 1.63 signed by all available joint inventors, or if no inventor is available by a party with sufficient proprietary interest, is required.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.16(f) of $130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **$130** for a Large Entity

- **$130** Surcharge.

Replies should be mailed to: Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

A copy of this notice MUST be returned with the reply.

T. C. [signature]
Office of Initial Patent Examination (703) 308-1202

PART 3 - OFFICE COPY

Express Mail Label No. EV 607585201 US

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

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

Docket No.
13768.614
Total Pages in this Submission
4

063005 15866 U.S. PTO

113013 U.S. PTO 11/17/1850 063005

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111 (a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

and invented by:

David P. Limont, John Allen Atwood, Massimiliano Ciccotosto, Omar Aftab, Patrick Tousignant, Selvaraj Nalliah and Zhidong Yang

If a CONTINUATION APPLICATION, *check appropriate box and supply the requisite information:*

☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.: _____

Which is a:

☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.: _____

Which is a:

☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.: _____

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 41 pages and including the following:
   - a. ☒ Descriptive Title of the Invention
   - b. ☐ Cross References to Related Applications *(if applicable)*
   - c. ☐ Statement Regarding Federally-sponsored Research/Development *(if applicable)*
   - d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
   - e. ☒ Background of the Invention
   - f. ☒ Brief Summary of the Invention
   - g. ☒ Brief Description of the Drawings *(if filed)*
   - h. ☒ Detailed Description
   - i. ☒ Claim(s) as Classified Below
   - j. ☒ Abstract of the Disclosure

IPR2024-00809
Petitioner's Exhibit 1013
Page 000355

Express Mail Label No. EV 607585201 US

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity) *(Only for new nonprovisional applications under 37 CFR 1.53(b))*	Docket No. *13768.614*
	Total Pages in this Submission 4

Application Elements (Continued)

3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)
   a. ☒ Formal — Number of Sheets 5
   b. ☐ Informal — Number of Sheets _____
4. ☐ Oath or Declaration
   a. ☐ Newly executed *(original or copy)* ☐ Unexecuted
   b. ☐ Copy from a prior application (37CFR 1.63(d) *(for continuation/divisional application only)*
   c. ☐ With Power of Attorney ☐ Without Power of Attorney
   d. ☐ *DELETION OF INVENTOR(S)*
      Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference *(usable if Box 4b is checked)*
   The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. ☐ Application Data Sheet (See 37 CFR 1.76)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
   a. ☐ Computer Readable Form (CRF)
   b. ☐ Specification Sequence Listing on:
      i. ☐ CD-ROM or CD-R (2 copies); or
      ii. ☐ Paper
   c. ☐ Statement(s) Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

9. ☐ Assignment Papers *(cover sheet & document(s))*
10. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*
11. ☐ English Translation Document *(if applicable)*
12. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
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. ☒ Certificate of Mailing
    ☐ First Class ☒ Express Mail *(Specify Label No.):* EV607585201US

IPR2024-00809
Petitioner's Exhibit 1013
Page 000356

Express Mail Label No. EV 607585201 US

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity) *(Only for new nonprovisional applications under 37 CFR 1.53(b))*	Docket No. *13768.614*
	Total Pages in this Submission 4

Accompanying Application Parts (Continued)

17. ☐ Additional Enclosures *(please identify below):*

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

18. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this 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 of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

IPR2024-00809
Petitioner's Exhibit 1013
Page 000357

Express Mail Label No. EV 607585201 US

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity) *(Only for new nonprovisional applications under 37 CFR 1.53(b))*	**Docket No.** *13768.614*
	Total Pages in this Submission 4

CLAIMS AS FILED					
For	**#Filed**	**#Allowed**	**#Extra**	**Rate**	**Fee**
Total Claims	20	-20	0	$50.00	$0.00
Indep. Claims	3	-3	0	$200.00	$0.00
Multiple Dependent Claims (check if applicable)					$0.00
Total # of Pages in Specification		41	**Total # of Drawing Sheets**	5	
Total # of Sheets	46			**Application Size Fee**	$0.00
				Basic Fee	$300.00
				Search Fee	$500.00
				Examination Fee	$200.00
OTHER FEE ***(specify purpose)***					
				TOTAL FILING FEE	$1,000.00

☐ A check in the amount of $_____ to cover the filing fee is enclosed.

☒ The Director is hereby authorized to charge and credit Deposit Account No. 23-3178 as described below.

- ☐ Charge the amount of $_____ as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

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

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.

Signature

Dated: June 30, 2005

Customer Number: 47973

cc:

Michael B. Dodd

Reg. No.: 46,437

Attorney for Applicant

P01ULRG/REV09

IPR2024-00809
Petitioner's Exhibit 1013
Page 000358

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10) Applicant(s): David P. Limont et al.	Docket No. 13768.614

Application No.	Filing Date	Examiner	Customer No	Group Art Unit
Not Yet Assigned	June 30, 2005	Not Yet Assigned	47973	Unknown

Invention:

ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

I hereby certify that the following correspondence:

(see below)

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

June 30, 2005
(Date)

Dee So
(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)

EV 607585201 US
("Express Mail" Mailing Label Number)

Note: Each paper must have its own certificate of mailing.

Utility Patent Application Transmittal Letter (Large Entity – duplicate)	4
Application data sheet	6
Patent Application	41
Drawings	5
Certificate of Express Mailing (EV 607585201 US)	
PTO 2038 Credit Card form for $1,000.00	
Acknowledgement Postcard	

Express Mail Label No. EV 607585201 US

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

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

Docket No.
13768.614
Total Pages in this Submission
4

15866 U.S. PTO 063005

113013 U.S. PTO 11/17/1850 063005

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

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and invented by:

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Which is a:

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Which is a:

☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.: _____

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IPR2024-00809
Petitioner's Exhibit 1013
Page 000360

Express Mail Label No. EV 607585201 US

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity) *(Only for new nonprovisional applications under 37 CFR 1.53(b))*	Docket No. *13768.614*
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Application Elements (Continued)

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   a. ☐ Newly executed *(original or copy)* ☐ Unexecuted
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11. ☐ English Translation Document *(if applicable)*
12. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
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. ☒ Certificate of Mailing
    ☐ First Class ☒ Express Mail *(Specify Label No.):* EV607585201US

IPR2024-00809
Petitioner's Exhibit 1013
Page 000361

Express Mail Label No. EV 607585201 US

UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity) *(Only for new nonprovisional applications under 37 CFR 1.53(b))*	**Docket No.** *13768.614*
	Total Pages in this Submission 4

Accompanying Application Parts (Continued)

17. ☐ Additional Enclosures *(please identify below):*

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

18. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this 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 of applications 18 months after filing of the application.

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UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity) *(Only for new nonprovisional applications under 37 CFR 1.53(b))*	**Docket No.** *13768.614*
	Total Pages in this Submission 4

CLAIMS AS FILED					
For	**#Filed**	**#Allowed**	**#Extra**	**Rate**	**Fee**
Total Claims	20	-20	0	$50.00	$0.00
Indep. Claims	3	-3	0	$200.00	$0.00
Multiple Dependent Claims (check if applicable)					$0.00
Total # of Pages in Specification		41	**Total # of Drawing Sheets**	5	
Total # of Sheets	46			**Application Size Fee**	$0.00
				Basic Fee	$300.00
				Search Fee	$500.00
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Customer Number: 47973

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P01ULRG/REV09

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CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10) Applicant(s): David P. Limont et al.			Docket No. 13768.614	
Application No. Not Yet Assigned	**Filing Date** June 30, 2005	**Examiner** Not Yet Assigned	**Customer No** 47973	**Group Art Unit** Unknown

Invention:

ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

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PATENT APPLICATION
Docket No. 13768.614

UNITED STATES PATENT APPLICATION

of

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for

ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

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ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] Not applicable.

BACKGROUND OF THE INVENTION

[0002] Computer systems and related technology affect many aspects of society. Indeed, the computer system's ability to process information has transformed the way we live and work. Computer systems now commonly perform a host of tasks (e.g., word processing, scheduling, and database management) that prior to the advent of the computer system were performed manually. More recently, computer systems have been coupled to one another and to other electronic devices to form both wired and wireless computer networks over which the computer systems and other electronic devices can transfer electronic data. As a result, many tasks performed at a computer system (e.g., voice communication, accessing electronic mail, controlling home electronics, Web browsing, and printing documents) include the exchange of electronic messages between a number of computer systems and/or other electronic devices via wired and/or wireless computer networks.

[0003] Computer systems and other electronic devices can have a variety of different configurations including, personal computers, laptop computers, hand-held devices, multi-processor systems, microprocessor-based or programmable consumer electronics, network PCs, minicomputers, mainframe computers, mobile telephones, PDAs, pagers, and the like. Many of these different types of computer systems and electronic devices can be configured to communicate wirelessly, such as, for example, in accordance with the I.E.E.E. 802.11 standards, General Packet Radio Service ("GPRS"), Global System for Mobile Communications ("GSM"), etc. Generally, wireless communication is beneficial since it

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allows a computer system or other electronic device maintain network connective when moved between different physical locations. For example, a mobile device, such as, for example, a mobile telephone or PDA, may be able to maintain connectivity to a GPRS network, when moved across town, between different cities, and even between different countries. Beneficially, the mobile devices can typically access data (e.g., electronic mail messages, Web based content, etc.) across wide geographical ranges.

[0004] Accessing data typically requires that a requesting computer system have access to an address (e.g., Internet Protocol ("IP") address) of the computer system (e.g., server) that maintains the data. For example, a computer system requesting access to a Web page can be required to have access to a Uniform Resource Location ("URL") used to located the Web page. When more sensitive data is made available through wired and/or wireless networks, security mechanisms are routinely used to protect the data from unauthorized access. For example, accessing electronic mail messages from an e-mail server can require a user to have an account with an e-mail server. To authenticate with the e-mail server, a computer system can transfer a user entered user-id and password to the electronic mail server.

[0005] Computer systems operating in a wired networking environment are to some extent inherently more secure than computer systems operating in a wireless networking environment. For example, alternate physical locations where a wired computer system can achieve network connectively can be limited. That is, to access data, a wired computer system may be required to be in a physical location that has a network tap in communication with a server that maintains the data. Further, there is a reduced risk of a wired computer system being lost. For example, it is extremely unlikely for a user to lose a desktop computer system that has a wired connection to a corporate Local Area Network ("LAN").

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There is also a reduced risk of a wired computer system being stolen since many wired computer systems are maintained in physical locations that are not publicly accessible (e.g., inside corporate buildings, homes, etc).

[0006] Further, in a wired networking environment, other security mechanisms can be used to prevent unauthorized data access. These other security mechanisms can limit data access based on the physical location, domain, and/or electronic address of a computer system. For example, an administrator could limit access to sensitive research data to only those computer systems contained in a research facilitates that generates the research data. Thus, even if a wired computer system is stolen, it may be difficult, if not impossible, to gain unauthorized access to data from the wired network the wired computer system was previously connected to.

[0007] Further, in a wired networking environment, an administrator often has direct physical control over computer systems that are connected to the network (e.g., the wired computer systems are within a corporate building). Accordingly, the administrator can select and maintain the applications that are installed on the computer systems. In some environments, an administrator may chose to "lock down" the configuration of computer systems to insure that the configuration of the computer systems remains appropriately secure for accessing data. When server side or network upgrades occur, the administrator can "unlock" the computer systems to install appropriate client side updates and can then again lock down the computer systems. However, this manual re-configuration of computer systems can be time consuming.

[0008] As a result, administrators often configure wired computer systems to receive policy updates without administrator intervention. From time to time, a server can "push" policy updates to wired computer systems to insure that wired computer systems adhere to

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specified security policies. In some environments, wired computer systems are divided into groups (or domains) that are administered as a unit with common rules and procedures (e.g., all computer systems in the corporate headquarters or all computer systems used by IT employees). Policies can be varied across different domains such that an administrator can vary the policies that are pushed to different wired computer systems.

[0009] Policy updates can be used to force a wired computer system to use a specified version of a protocol, to use a specified version of encryption algorithm, to use a specified key length, to prevent installation of custom applications, etc. A wired computer system's failure to implement these policies can prevent the wired computer system from accessing data (even if an appropriate user-id and password are submitted). Since an administrator often has more control over wired computer systems, the administrator can insure that wired computer systems include the appropriate resources (e.g., memory, software, etc.) for receiving and implementing policy updates.

[0010] Thus, it is possible to increase the security of private data by limiting data access to controlled wired computer systems. However, limiting data access to controlled wired computer systems is not always feasible. Computer system users typically desire available and flexible access to their data regardless of location and/or the type of computer system that will be used to access the data. For example, sales personnel and executives may frequently be out of the office on business travel and while traveling may need access to corporate data, such as, for example, e-mail and sales figures.

[0011] As result, many applications allow at least some general external (e.g., Web based) access to data. External access applications can be utilized by wired and wireless computer systems to access private and/or sensitive data. For example, a sales person

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executive may use a mobile device to connect to a corporate LAN through an external GPRS service provider (e.g., a mobile phone company) to access e-mail.

[0012] Unfortunately, allowing general external access to data puts the data at increased risk for unauthorized access, for example, from hackers or other malicious users. Even for authorized users, there is may be no way to control the security polices of computer systems that attempt general external access to data.

[0013] Wireless access can be particularly problematic, since computer systems operating in a wireless networking environment, such as, for example, mobile devices, are to some extent inherently less secure than computer systems operating in a wired networking environment. One difficulty is that a wireless device can typically achieve network connectivity from an extensive number of alternate physical locations. For example, a mobile telephone may have network connectively across a wide geographic area, such as, across an entire country or even access the entire Earth. Since wireless computer systems can be and often are moved between different physical locations, many of which are public, there is an increased risk of wireless computer systems being lost or stolen. For convenience, many mobile devices are of reduced size, further increasing the risk of loss or theft. For example, it is much more likely for a mobile phone to be lost or stolen than it is for a desktop computer system to be lost or stolen. Thus, there is an increased risk of a malicious user obtaining a computer system that was previously used to access data wirelessly.

[0014] Unfortunately, many security mechanisms used to prevent unauthorized in a wired networking environment are unavailable and/or are not feasible in wireless networking environment. For example, it may be unmanageable for an administrator to lock down the configuration of every mobile device (mobile phone, PDS, etc.) that utilizes

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external data access. It is difficult to place wireless computer systems, in domains since the access locations and access mechanisms may vary based on physical location. For example, access settings in Boston may be different than access setting in San Francisco.

[0015] Further, there is often no way for an administrator to determine what policy settings are implemented and/or supported by a wireless computer system. For example, a mobile device may support a standard protocol, such as, for example, HyperText Transfer Procotocl ("HTTP"), but has no way to communicate policy settings (if they even exist) using the standard protocol. Some mobile devices may simply lack the resources (e.g., system memory, applications, etc.) to implement policy settings. Further, even if a mobile device does support various policy settings, there is typically no way for an administrator to remotely alter policy settings or enforce compliance with policy settings. Thus, an administrator may be forced to make a choice between preventing all external wireless access to data or opening up data to increased security risks associated with external wireless access.

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BRIEF SUMMARY OF THE INVENTION

[0016] The foregoing problems with the prior state of the art are overcome by the principles of the present invention, which are directed towards methods, systems, and computer program products for enforcing device settings for mobile devices. Generally, a computer system (e.g., an electronic mail server) enforces an appropriate mobile device configuration prior to permitting a mobile device to access maintained data. The computer system receives a request from a mobile device. The request requests that the mobile device be permitted to access data maintained by the computer system, the request indicating a current mobile device configuration of the mobile device.

[0017] The computer system determines that current mobile device configuration is not appropriate for accessing the maintained data. The computer system sends device configuration settings to the mobile device. The device configuration settings representing a new mobile device configuration that is appropriate accessing the maintained data. The computer system receives an indication that the mobile device is configured in accordance with the device configuration settings. The computer system permits the mobile device to access the maintained data in response to receiving the indication that the mobile device is configured in accordance with the device configuration settings.

[0018] In some embodiments, a computer system enforces mobile device access policies prior to permitting mobile device access to maintained data. The computer system receives a data command from a mobile device. The data command indicates a policy version representing the current policy settings at the mobile device. The computer system determines that the current policy settings at the mobile device are not appropriate for accessing data maintained by the computer system

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[0019] The computer system notifies the mobile device that the current policy settings are not appropriate for accessing the maintained data. The computer system receives a policy request from the mobile device. The policy request requests policy settings that are appropriate for accessing the maintained data. The computer system identifies updated policy settings that are appropriate for accessing the maintained data. The computer system sends the updated policy settings along with a corresponding updated policy version to the mobile device, the updated policy version representing the updated policy settings.

[0020] The computer system receives a data request along with the updated policy version from the mobile device. The data request requests that the mobile device be permitted to access the maintained data. The updated policy version indicates that the mobile device is configured in accordance with the updated policy settings. The computer system notifies the mobile device that access to the maintained data has been permitted.

[0021] These and other objects and features of the present invention will become more fully apparent from the following description and appended claims, or may be learned by the practice of the invention as set forth hereinafter.

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BRIEF DESCRIPTION OF THE DRAWINGS

[0022] To further clarify the above and other advantages and features of the present invention, a more particular description of the invention will be rendered by reference to specific embodiments thereof which are illustrated in the appended drawings. It is appreciated that these drawings depict only typical embodiments of the invention and are therefore not to be considered limiting of its scope. The invention will be described and explained with additional specificity and detail through the use of the accompanying drawings in which:

[0023] Figures 1 illustrates an example of a computer architecture that facilitates enforcing policy settings for mobile devices.

[0024] Figure 2 illustrates an example flow chart of a method for enforcing mobile device access policies prior to permitting mobile device access to maintained data.

[0025] Figure 3 illustrates an example of an alternate computer architecture that facilitates enforcing configuration settings of mobile devices.

[0026] Figure 4 illustrates an example flow chart of a method for enforcing an appropriate mobile device configuration prior to permitting a mobile device to access maintained data.

[0027] Figure 5 illustrates a suitable operating environment for the principles of the present invention.

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DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0028] The principles of the present invention provide for enforcing device settings for mobile devices. Generally, a computer system (e.g., an electronic mail server) enforces an appropriate mobile device configuration prior to permitting a mobile device to access maintained data. The computer system receives a request from a mobile device. The request requests that the mobile device be permitted to access data maintained by the computer system, the request indicating a current mobile device configuration of the mobile device.

[0029] The computer system determines that current mobile device configuration is not appropriate for accessing the maintained data. The computer system sends device configuration settings to the mobile device. The device configuration settings representing a new mobile device configuration that is appropriate accessing the maintained data. The computer system receives an indication that the mobile device is configured in accordance with the device configuration settings. The computer system permits the mobile device to access the maintained data in response to receiving the indication that the mobile device is configured in accordance with the device configuration settings.

[0030] In some embodiments, a computer system enforces mobile device access policies prior to permitting mobile device access to maintained data. The computer system receives a data command from a mobile device. The data command indicates a policy version representing the current policy settings at the mobile device. The computer system determines that the current policy settings at the mobile device are not appropriate for accessing data maintained by the computer system

[0031] The computer system notifies the mobile device that the current policy settings are not appropriate for accessing the maintained data. The computer system receives a

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policy request from the mobile device. The policy request requests policy settings that are appropriate for accessing the maintained data. The computer system identifies updated policy settings that are appropriate for accessing the maintained data. The computer system sends the updated policy settings along with a corresponding updated policy version to the mobile device, the updated policy version representing the updated policy settings.

[0032] The computer system receives a data request along with the updated policy version from the mobile device. The data request requests that the mobile device be permitted to access the maintained data. The updated policy version indicates that the mobile device is configured in accordance with the updated policy settings. The computer system notifies the mobile device that access to the maintained data has been permitted.

[0033] Embodiments within the scope of the present invention include computer-readable media for carrying or having computer-executable instructions or data structures stored thereon. Computer-readable media may be any available media, which is accessible by a general-purpose or special-purpose computer system. By way of example, and not limitation, such computer-readable media can comprise physical storage media such as RAM, ROM, EPROM, CD-ROM or other optical disk storage, magnetic disk storage or other magnetic storage devices, or any other media which can be used to carry or store desired program code means in the form of computer-executable instructions, computer-readable instructions, or data structures and which may be accessed by a general-purpose or special-purpose computer system. Computer-executable instructions comprise, for example, instructions and data which cause a general-purpose computer system or special-purpose computer system to perform a certain function or group of functions. Computer executable instructions may be, for example, binaries, intermediate format instructions such as assembly language, or even source code.

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[0034] In this description and in the following claims, a "network" is defined as one or more data links that enable the transport of electronic data between computer systems and/or modules. Local Area Networks ("LANs"), Wide Area Networks ("WANs") and the Internet are examples of networks.

[0035] In this description and in the following claims, a "computer system" is defined as one or more software modules, one or more hardware modules, or combinations thereof, that work together to perform operations on electronic data. For example, the definition of computer system includes the hardware components of a personal computer, as well as software modules, such as the operating system of the personal computer. The physical layout of the modules is not important. A computer system may include one or more computers coupled via a network. Likewise, a computer system may include a single physical device (such as a mobile phone or Personal Digital Assistant "PDA") where internal modules (such as a memory and processor) work together to perform operations on electronic data.

[0036] In this description and in the following claims, a "mobile device" is defined as a subset of computer systems that primarily (or solely) access networked data using wireless mechanisms and are easily transportable by a human (e.g., can be carried in a user's pocket) between different physical locations. Mobile devices may have limited resources (e.g., processor, data storage, system memory, protocols, applications, user-interface functionality, etc.) as compared to other computer systems. Mobile phones, watches, and PDA's are examples of mobile devices.

[0037] Those skilled in the art will appreciate that the invention may be practiced in network computing environments with many types of computer system configurations, including, personal computers, laptop computers, hand-held devices, multi-processor

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systems, microprocessor-based or programmable consumer electronics, network PCs, minicomputers, mainframe computers, mobile telephones, PDAs, pagers, and the like. The invention may also be practiced in distributed system environments where local and remote computer systems, which are linked (either by hardwired data links, wireless data links, or by a combination of hardwired and wireless data links) through a network, both perform tasks. In a distributed system environment, program modules may be located in both local and remote memory storage devices.

[0038] Figures 1 illustrates an example of a computer architecture 100 that facilitates enforcing policy settings of mobile devices. Depicted in computer architecture 100 is mobile device 101 and computer system 141. Mobile device 101 is connected to network 131, such as, for example, a Local Area Network ("LAN"), a Wide Area Network ("WAN"), or even the Internet, via communication link 132. Similarly, computer system 141 connected to network 131 via communication link 133. Thus, mobile device 101, computer system 141, and other network connected computer systems (not shown) can exchange data via network 131. Accordingly, mobile device 101 and computer system 141, as well as other connected computer systems, can create message related data and exchange message related data (e.g., Internet Protocol ("IP") datagrams and other higher layer protocols that utilize IP datagrams, such as, Transmission Control Protocol ("TCP"), Hypertext Transfer Protocol ("HTTP"), Simple Mail Transfer Protocol ("SMTP"), etc.) over network 131.

[0039] With reference to Figure 1, a suitable operating environment for the principles of the invention includes a general-purpose computer system in the form of a mobile device 101. Mobile device 101 includes a speaker 104 for presenting audio information (e.g., spoken words) to the user, a display 105 for presenting visual information to the user, a microphone 106 for inputting audio information (e.g., spoken words) into mobile device

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101, dialing controls 107 represented by 12 buttons through which a user may enter information (e.g., generate DTMF tones), and navigation control buttons 108 that assist the user in navigating through various entries and options listed on display 105. Although not required, mobile device 101 may also have an antenna 109. Audio-based user-interface 123 collectively represents speaker 104, dialing controls 107, and microphone 106.

[0040] Although mobile device 101 has the appearance of a mobile telephone, the unseen features of the telephonic device may allow for complex and flexible general-purpose processing capabilities. For example, the mobile device 101 also includes processor 111, network interface 180, and memory 112 that are connected to each other and to speaker 104, display 105, navigation controls 108, dialing controls 107, microphone 106, and antenna 109 when appropriate, via system bus 110. The memory 112 generally represents a wide variety of volatile and/or non-volatile memories and may include types of memory previously discussed. However, the particular type of memory used in the mobile device 101 is not important to the present invention. Program code means comprising one or more program modules may be stored in memory 112. The one or more program modules may include an operating system 113, one or more application programs 114, program modules 115, and program data 116.

[0041] Mobile device 101 is connectable to networks, such as, for example, an office-wide or enterprise-wide computer network, an intranet, and/or the Internet. Mobile device 101 can wirelessly exchange data with external sources, such as, for example, remote computer systems and/or application databases over such a network. Mobile device 101 includes network interface 180 that can, when appropriate, interoperate with antenna 109 to receive data from external sources and/or transmit data to external sources. For example,

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mobile device 101 can transmit DTMF tones and exchange other audio based data with external sources.

[0042] While Figure 1 represents a suitable operating environment for the present invention, the principles of the present invention may be employed in any system that is capable of, with suitable modification if necessary, implementing the principles of the present invention. The environment illustrated in Figure 1 is illustrative only and by no means represents even a small portion of the wide variety of environments in which the principles of the present invention may be implemented.

[0043] Communication link 132 logically represents that mobile device 101 is connected to network 131. Communication link 132 abstracts the actually physical representation of the connection from mobile device 101 to network 131. The actual physical representation can include communication through one or more intermediate network devices and can include communication in one or more different protocols. At least a portion of the actual physical representation can include wireless communication using wireless protocols (e.g., GPRS, GSM, etc. to a mobile telephone server provider)

[0044] Generally, mobile device 101 can store data, such as, for example, electronic mail messages, Web pages, documents, policy settings, policy versions, configuration settings, configuration versions, etc. in memory 112. Mobile device 101 can utilize client side programs, such as, for example, client module 142A (e.g., an electronic mail client) to access data from a server (e.g., an electronic mail server).

[0045] Computer system 141 includes server module 142B (e.g., an electronic mail server) and storage 147. Server module 142B further includes policy enforcement module 143 and data access module 144. Generally, storage 147 can store data, such as, for example, electronic mail messages, Web pages, documents, policy settings, policy versions,

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configuration settings, configuration versions, etc. For example, storage 147 can store policy settings 117 representing a group of policy settings that mobile devices can implement. As depicted, policy settings 117 include setting 117A, setting 117B, setting 117F, setting 117H, and setting 117Z. A series of two dots (a vertical ellipsis) between, before and after the expressly depicted policy settings represents that other policy settings can be included between, before and after the expressly depicted policy settings.

[0046] Policy settings can be name/value pairs. The name represents the name of a policy setting and the value represents the value of the policy setting. Policy setting values can be of virtually any data type, such as, for example, Boolean, integer, floating point, string, character, enumerated, etc.

[0047] Policy settings can include: a Personal Identification Number ("PIN") lock activation setting, a minimum PIN length setting, a PIN format setting (e.g., alphanumeric or numeric), a number of PIN failures permitted before performing a local wipe setting, a number of PIN failures after which an override "passcode" must be entered setting, a force wipe on next connection to server setting, a client application version setting, a protocol version setting, a protocol commands allowed setting, a custom application permitted setting, a time interval for enforcing compliance setting, a remote wipe enabled setting, and a require policy check setting.

[0048] Generally, if a PIN lock setting is activate (or TRUE), a user of a mobile device must enter a PIN through an input interface (e.g., dialing controls) to unlock the mobile device. If a specified number of incorrect PIN entries are detected, the mobile device can initiate a local wipe of memory contents.

[0049] Remote (or server initiated) wipe settings can include: a user agent string setting providing a human readable indication the involved mobile deice (e.g., Trey-T5600/1.2), a

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DeviceID setting uniquely identifying a mobile device and resolve ambiguity between devices using the same user agent string, a pending remote wipe setting indicating if a mobile device has been designated for a storage wipe, remote wipe timestamp setting indicating a wipe action and when the wipe action occurred.

[0050] A require policy check setting indicates if policy compliance is required to submit various protocol commands, such as, for example, Sync, Folder Sync, GetHierarchy, etc.

[0051] An exception list policy setting can be utilized to exempt a user from one or more other policy settings.

[0052] It should be understood that embodiments of the present invention are not limited to the expressly described policy settings. It would be apparent to one skilled in the art, after having reviewed this description, that embodiments of the present in invention can utilize other policy settings, in addition to those expressly described

[0053] Also as depicted, policy versions 118 include policy version 118A, policy version 118B, policy version 118D, and policy version 118Z. A series of two dots (a vertical ellipsis) between, before and after the expressly depicted policy versions represents that other policy versions can be included between, before and after the expressly depicted policy versions. A policy version is a reduced set of data, such as, for example, a policy identifier, that represents a group of one or more policy settings. For example, policy version 118D can be used to represent the settings 117A, B, F, and H. Thus, an indication that a mobile device adheres to policy version 118DA, implies that the mobile device implements settings 17A, B, F, and H.

[0054] As depicted, data store 171 includes data 171A and 171B. Different data portions can represent different types of data. For example data 171A can be electronic mail

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messages and data 171B can be Web pages. Alternately, different data portions can represent similar or the same type of data but for different users. For example data 171A can be electronic mail messages for user A and data 171B can be electronic mail messages for a different user B.

[0055] Server module 142B can interoperate with client side programs (e.g., client module 142A) to transfer data (e.g., electric mail messages) to a mobile device. Thus, in response to a mobile device data request, policy enforcement module 143 can determine if a requesting mobile device's policy settings are appropriate for accessing data. Policy enforcement module 143 can interoperate with authentication and/or authorization modules of server module 142B (not shown) to reduce the likelihood of inappropriate data access. When policy settings are appropriate (and, for example, a user is authenticated and authorized), data access module 144 accesses requested data and transfers requested data to the requesting mobile device. On the other hand, when policy settings are inappropriate (and even if a user is authenticated and authorized), policy enforcement module 143 can access appropriate policy settings and transfer the appropriate policy settings to the requesting mobile device.

[0056] Communication link 133 logically represents that computer system 141 is connected to network 131. Communication link 133 abstracts the actually physical representation of the connection from computer system 141 to network 131. The actual physical representation can include communication through one or more intermediate network devices and can include communication in one or more different protocols. At least a portion of the actual physical representation can include wireless communication using wireless protocols.

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[0057] Figure 2 illustrates an example flow chart of a method 200 for enforcing mobile device access policies prior to permitting mobile device access to maintained data. Method 200 will be described with respect to the components and data depicted in computer architecture 100.

[0058] Method 200 includes an act of receiving a data command from a mobile device, the data command indicating a policy version, the policy version representing the current policy settings at the mobile device (act 201). For example, mobile device 101 (client module 142A) can send data command 161 to computer system 141. Computer system 141 can receive data command 161 from mobile device 101. Data command 161 can be a request for data, such as, for example, a sync or folder sync command. Alternately, data command 161 can be provision command expressly requesting appropriate policy settings.

[0059] A data command may or may not expressly include a policy version. Lack of an expressly included policy version can indicate that a mobile device has yet to implement and/or does not support policies.

[0060] Method 200 includes an act of determining that the current policy settings at the mobile device are not appropriate for accessing data maintained by the computer system (act 202). For example, policy enforcement module 143 can compare a policy version included in data command 161 to other policy versions (e.g., included in policy versions 118) that are appropriate for accessing data (e.g., electronic mail messages and folders in data store 171) maintained by server module 142B (e.g., an electronic mail server). When the included policy version does not match any other appropriate policy version, policy enforcement module 143 determines that the policy settings of mobile device 101 are inappropriate for accessing data maintained by server module 142B. If no policy version was included, policy

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enforcement module 143 can be default determine that the policy settings of mobile device 101 are inappropriate for accessing data maintained by server module 142B.

[0061] Method 200 includes an act notifying the mobile device that the current policy settings are not appropriate for accessing the maintained data (act 203). For example, server module 142B can send notification 162 to mobile device 101 to notify mobile device 101 that its current policy settings are inappropriate for access data maintained by server module 142B.

[0062] Data command 161 (a request) and notification 162 (a response) can be corresponding messages in a request/response protocol, such as, for example, HTTP. In some embodiments, notification 162 is configured to include an HTTP 5xx (e.g., 512) response code indicating that the server could not fulfill the request (i.e., data command 161).

[0063] Method 200 includes an act of receiving a policy request from the mobile device, the policy request requesting policy settings that are appropriate for accessing the maintained data (act 204). For example, mobile device 101 (client module 142A) can send policy request 163 to computer system 141. Computer system 141 can receive policy request 163 from mobile device 101. Policy request 163 can be an initial request for policy settings, can be a request sent in response expiration of a time interval, can be a request sent in response to a notification of new policy settings, or can be a request sent after a period of exception for a user has expired.

[0064] Method 200 includes an act of identifying updated policy settings that are appropriate for accessing the maintained data (act 205). For example, policy enforcement module 143 can identify that settings 117A, B, F, and H are appropriate for accessing data

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maintained by server module 142B. Settings 117A, B, F, and H can correspond to any of the previously described policy settings.

[0065] Method 200 includes an act of sending the updated policy settings along with a corresponding updated policy version to the mobile device, the updated policy version representing the updated policy settings (act 206). For example, server module 142B can send settings 117A, B, F, and H along with policy version 118D to mobile device 101. Policy request 163 (a request) and settings 117A, B, F, and H along with policy version 118D (a response) can be corresponding messages in a request/response protocol, such as, for example, HTTP.

[0066] Mobile device 101 can implement settings 117A, B, F, and H (potentially altering current policy settings) to comply with policy settings that are appropriate for accessing data maintained by server module 142B. For example, mobile device 101 can implement a PIN enforcement policy in accordance with settings 117A, B, F, and H. Mobile device 101 can store settings 117A, B, F, and H and policy version 118D in program data 116 for subsequent access.

[0067] Method 200 includes an act of receiving a data request along with the updated policy version from the mobile device, the data request requesting that the mobile device be permitted to access the maintained data, the updated policy version indicating that the mobile device is configured in accordance with the updated policy settings (act 207). For example, mobile device 101 (client module 142A) can send data request 164 along with policy version 118D to computer system 141. Computer system 141 can receive data request 164 along with policy version 118D from mobile device 101. Data request 164 can be a request to access data 171A.

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[0068] Policy enforcement module 143 can determine, for example, through comparison to known appropriate policy versions, that policy version 118D represents policy settings that are appropriate for accessing data 171.

[0069] Method 200 includes an act of notifying the mobile device that access to the maintained data has been permitted (act 208). For example, server module142B can send notification 166 to mobile device 101. Notification 166 can indicate to mobile device 101 that policy enforcement module 143 has permitted access to data 171A. Data request 164 along with policy version 118D (a request) and notification 166 (a response) can be corresponding messages in a request/response protocol, such as, for example, HTTP.

[0070] If other access requirements are satisfied (e.g., authentication and authorization), mobile device 101 can subsequently access data 171A. Mobile device 101 can then store data 171A for subsequent use by client module 142A, such as, for example, displaying electronic mail messages and/or folders at display 105.

[0071] Accordingly, embodiments of the present invention can be used to reduce the likelihood of a compromised device or a device with non-compliant policy settings being able to access data. For example, the use of periodic enforcement and storage wiping can significantly limit the ability of malicious user to access data.

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[0072] Figure 3 illustrates an example of an alternate computer architecture 300 that facilitates enforcing configuration settings of mobile devices. As depicted in computer architecture 300, mobile device 101 includes client module 193A (e.g., a Web browser). Mobile device 101 can utilize client module 193A to access data maintained by a server.

[0073] Computer system 141 includes server module 193B (e.g., a Web server). Server module 193B further includes policy enforcement module 194 and data access module 195. As depicted, configuration settings 191 includes configuration settings 191 include policy

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setting 191A, policy setting 191B, and policy setting 191Z. A series of two dots (a vertical ellipsis) between, before and after the expressly depicted configuration settings represents that other configuration settings can be included between, before and after the expressly depicted policy settings. Configuration settings can be name/value pairs. The name represents the name of a configuration setting and the value represents the value of the configuration setting. Configuration setting values can be of virtually any data type, such as, for example, Boolean, integer, floating point, string, character, enumerated, etc. Configuration settings can include: operating system settings, application program settings, hardware settings, allocated resource settings, network interface settings, wireless protocol settings, etc.

[0074] It should be understood that embodiments of the present invention are not limited to the expressly described configuration settings. It would be apparent to one skilled in the art, after having reviewed this description, that embodiments of the present in invention can utilize other configuration settings, in addition to those expressly described

[0075] Also as depicted, configuration versions 192 include configuration version 192A, configuration version 192B, and configuration version 192C. A series of two dots (a vertical ellipsis) between, before and after the expressly depicted policy versions represents that other policy versions can be included between, before and after the expressly depicted configuration versions. A configuration version is a reduced set of data, such as, for example, a configuration identifier, that represents a group of one or more configuration settings. For example, configuration version 192C can be used to represent the policy settings 191B, K, N, R. Thus, an indication that a mobile device adheres to configuration version 192C, implies that the mobile device implements configuration settings 191B, K, N, R.

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[0076] As depicted, data store 197 includes data 197A and 197B. Different data portions can represent different types of data. For example data 197A can be electronic mail messages and data 197B can be Web pages. Alternately, different data portions can represent similar or the same type of data but for entities. For example, data 197A can be Web pages for corporation A and data 197B can be Web pages for corporation B.

[0077] Server module 193B can interoperate with client side programs (e.g., client module 193A) to transfer data (e.g., Web pages) to a mobile device. Thus, in response to a mobile device data request, policy enforcement module 194 can determine if a requesting mobile device's policy settings are appropriate for accessing data. For example, policy enforcement module 194 can determine if sufficient resources have allocated at a mobile device to receive a Web page, if a mobile device Web browser includes correct plug-ins for viewing content, if mobile device connection speed will permit a Web page to be downloaded in a reasonable amount of time, etc.

[0078] Configuration enforcement module 193 can interoperate with one or more of an authentication module, authorization modules, and policy enforcement module of server module 193B (not shown) to reduce the likelihood of inappropriate data access. When configuration settings are appropriate (and, for example, a user is authenticated and authorized and policy settings are appropriate), data access module 195 accesses requested data and transfers requested data to the requesting mobile device. On the other hand, when configuration settings are inappropriate (and even if a user is authenticated and authorized and policy requirements are appropriate), configuration enforcement module 194 can access appropriate configuration settings and transfer the appropriate configuration settings to the requesting mobile device.

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[0079] Figure 4 illustrates an example flow chart of a method 400 for enforcing an appropriate mobile device configuration prior to permitting a mobile device to access maintained data. Method 400 will be described with respect to the components and data depicted in computer architecture 300.

[0080] Method 400 includes an act of determining that current mobile device configuration is not appropriate for accessing the maintained data (act 401). For example, mobile device 101 (client 193A) can send request 176 to computer system 141. Request 176 can indicate a configuration version representing the one or more of the current configuration settings of mobile deice 101. Computer system 141 can receive request176 from mobile device 101. Request 176 can be a request for data, such, as, for example, a Web page request. Alternately, request 176 can be a provision request expressly requesting appropriate configuration settings.

[0081] A request may or may not expressly include a configuration version. Lack of an expressly included configuration version can indicate that a mobile device has yet to implement and/or does not support remote configuration.

[0082] Method 400 includes an act of determining that current mobile device configuration is not appropriate for accessing the maintained data (act 402). For example, configuration enforcement module 193 can compare a configuration version included in request 176 to other configuration versions (e.g., included in configuration versions 192) that are appropriate for accessing data (e.g., Web pages in data store 197) maintained by server module 193B (e.g., a Web server). When the included configuration version does not match any other appropriate configuration version, configuration enforcement module 194 determines that the configuration settings of mobile device 101 are inappropriate for accessing data maintained by server module 193B. If no configuration version was

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included, policy enforcement module 193 can be default determine that the configuration settings of mobile device 101 are inappropriate for accessing data maintained by server module 193B.

[0083] In response to detection of an inappropriate configuration, configuration enforcement module 143 can identify configuration settings, such as, for example, 191B, K, N, and R that are appropriate for accessing data maintained by server module 193B. Configuration settings 191B, K, N, and R can correspond to any of the previously described policy settings.

[0084] Method 400 includes an act of sending device configuration settings to the mobile device, the device configuration settings representing a new mobile device configuration that is appropriate accessing the maintained data (act 403). For example, server module 193B can send configuration settings 191B, K, N, and R along with configuration version 192L to mobile device 101. Request 176 (a request) and configuration setting 191B, K, N, and R along with configuration version 192L (a response) can be corresponding messages in a request/response protocol, such as, for example, HTTP.

[0085] Sent configuration settings can be configuration setting for altering the current configuration of one or more of an operating system, an application program, hardware, allocated resources, a network interface, and wireless protocol settings, at the mobile device.

[0086] Mobile device 101 can implement configuration settings 191B, K, N, and R (potentially altering current configuration settings) to comply with configuration settings that are appropriate for accessing data maintained by server module 193B. For example, mobile device 101 can allocate additional memory for client module 193A, verify download speed, and activate an appropriate plug-in in accordance with configuration settings 191B,

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K, N, and R. Mobile device 101 can store configuration settings 191B, K, N, and R and configuration version 192L in program data 116 for subsequent access.

[0087] Implemented configuration settings can alter the current configuration of one or more of an operating system, an application program, hardware, allocated resources, a network interface, and wireless protocol settings, at the mobile device.

[0088] Method 400 includes an act of receiving an indication that the mobile device is configured in accordance with the device configuration settings subsequent to sending the device configuration settings to the mobile device (act 404). For example, mobile device 101 can send configuration version 192L to computer system 141. Computer system 141 can receive configuration version 192L from mobile device 101. Configuration enforcement module 143 can determine, for example, through comparison to known appropriate configuration versions, that configuration version 192L represents configuration settings that are appropriate for accessing data 197.

[0089] Method 400 includes an act of permitting the mobile device to access the maintained data in response to receiving the indication that the mobile device is configured in accordance with the device configuration settings (act 405). For example, configuration enforcement module 194 can permit mobile device 101 to access data 197A. Server module 193B can subsequently send notification 199 to mobile device 101. Notification 199 can indicate to mobile device 101 that configuration enforcement module 194 has permitted access to data 197A. Data request configuration version 192L (a request) and notification 199 (a response) can be corresponding messages in a request/response protocol, such as, for example, HTTP.

[0090] If other access requirements are satisfied (e.g., authentication, authorization, and policy enforcement), mobile device 101 can subsequently access data 197A. Mobile device

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101 can then store data 197A for subsequent use by client module 193A, such as, for example, displaying a Web page at display 105.

[0091] Accordingly, embodiments of the present invention can be used to reduce the likelihood of a device with inappropriate configuration settings being able to access data. For example, configuration enforcement manager 193B can potentially prevent the download of data to an in appropriate configured mobile device. Preventing the download of data that can not be appropriately processed conserves network bandwidth and systems resources.

[0092] Figure 5 illustrates a suitable operating environment for the principles of the present invention. Figure 5 and the following discussion are intended to provide a brief, general description of a suitable computing environment in which the invention may be implemented. Although not required, the invention will be described in the general context of computer-executable instructions, such as program modules, being executed by computer systems. Generally, program modules include routines, programs, objects, components, data structures, and the like, which perform particular tasks or implement particular abstract data types. Computer-executable instructions, associated data structures, and program modules represent examples of the program code means for executing acts of the methods disclosed herein.

[0093] Figure 5 depicts a schematic diagram of a computer system 500. Computer system 141 can include one or more of the components included in computer system 500. For descriptive purposes, the depicted computer system is only one example of a suitable environment and is not intended to suggest any limitation as to the scope of use or functionality of the invention. Neither should the computer systems be interpreted as having

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any dependency nor requirement relating to any one or combination of components illustrated in Figure 5.

[0094] In some basic configurations, computer system 500 includes at least one processing unit 502 and memory 504. The memory 504 may be volatile (such as RAM), non-volatile (such as ROM, flash memory, etc.), or some combination of the two. One basic configuration is illustrated in Figure 5 by the dashed line 506.

[0095] Included storage media devices may have additional features and functionality. For example, they may include additional storage (removable and non-removable) including, but not limited to, PCMCIA cards, magnetic and optical disks, and magnetic tape. Such additional storage is illustrated in Figure 5 by removable storage 508 and non-removable storage 510. Computer-storage media include volatile and non-volatile, removable and non-removable media implemented in any method or technology for storage of information such as computer-readable instructions, data structures, program modules, or other data. Memory 504, removable storage 508, and non-removable storage 510 are all examples of computer-storage media. Computer-storage media include, but are not limited to, RAM, ROM, EEPROM, flash memory, other memory technology, CD-ROM, digital versatile disks, other optical storage, magnetic cassettes, magnetic tape, magnetic disk storage, other magnetic storage devices, and any other media that can be used to store the desired information and that can be accessed by the computer system.

[0096] Computer system 500 may also contain communication channels 512 that allow the host to communicate with other systems and devices over a network 520. Communication channels 512 are examples of communications media. Communications media typically embody computer-readable instructions, data structures, program modules, or other data in a modulated data signal such as a carrier wave or other transport mechanism

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and include any information-delivery media. By way of example, and not limitation, communications media include wired media, such as wired networks and direct-wired connections, and wireless media such as acoustic, radio, infrared, and other wireless media. The term computer-readable media as used herein includes both storage media and communications media.

[0097] The computer system 500 may also have input components 514 such as a keyboard, mouse, pen, a voice-input component, a touch-input device, and so forth. Output components 516 include screen displays, speakers, printer, etc., and rendering modules (often called "adapters") for driving them. The computer system 500 has a power supply 518. All these components are well known in the art and need not be discussed at length here.

[0098] While Figure 5 represents a suitable operating environment for the present invention, the principles of the present invention may be employed in any system that is capable of, with suitable modification if necessary, implementing the principles of the present invention. The environment illustrated in Figure 5 is illustrative only and by no means represents even a small portion of the wide variety of environments in which the principles of the present invention may be implemented.

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[0099] In accordance with the present invention, modules including policy enforcement modules, client modules, server modules, and data access modules, as well as associated data, including data commands, data requests, notifications, policy requests, policy settings, policy versions, configuration settings, and configuration versions can be stored and accessed from any of the computer-readable media associated with computer system 500. When a mass storage device, such as, for example, non-removable storage 510, is coupled to computer system 500, such modules and associated program data may also be stored in the

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mass storage device. In a networked environment, program modules depicted relative to computer system 500, or portions thereof, can be stored in remote memory storage devices, such as, system memory and/or mass storage devices associated with remote computer systems. Execution of such modules may be performed in a distributed environment as previously described.

[0100] The present invention may be embodied in other specific forms without departing from its spirit or essential characteristics. The described embodiments are to be considered in all respects only as illustrative and not restrictive. The scope of the invention is, therefore, indicated by the appended claims rather than by the foregoing description. All changes which come within the meaning and range of equivalency of the claims are to be embraced within their scope.

[0101] What is claimed and desired secured by United States Letters Patent is:

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1. At a computer system that maintains data accessible to mobile devices, a method for enforcing an appropriate mobile device configuration prior to permitting a mobile device to access the maintained data, the method comprising:

an act of receiving a request from a mobile device, the request requesting that the mobile device be permitted to access data maintained by the computer system, the request indicating a current mobile device configuration of the mobile device;

an act of determining that current mobile device configuration is not appropriate for accessing the maintained data;

an act of sending device configuration settings to the mobile device, the device configuration settings representing a new mobile device configuration that is appropriate accessing the maintained data;

an act of receiving an indication that the mobile device is configured in accordance with the device configuration settings subsequent to sending the device configuration settings to the mobile device; and

an act of permitting the mobile device to access the maintained data in response to receiving the indication that the mobile device is configured in accordance with the device configuration settings.

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2. The method as recited in claim 1, wherein the act of receiving a request from a mobile device comprises an act of receiving a request that was sent in accordance with HTTP.

3. The method as recited in claim 1, wherein the act of receiving a request from a mobile device comprises an act of receiving a request for a Web page.

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4. The method as recited in claim 1, wherein the act of receiving a request from a mobile device comprises an act of receiving a request from a mobile device selected from among a mobile telephone, a PDA, and a watch.

5. The method as recited in claim 1, wherein the act of determining that current mobile device configuration is not appropriate for accessing the maintained data comprises an act of comparing a received configuration version to one or more configuration versions representing appropriate configurations for accessing the maintained data.

6. The method as recited in claim 1, wherein an act of sending device configuration settings to the mobile device comprises sending configuration settings that are designated to alter the current configuration of one or more of an operating system, an application program, hardware, allocated resources, a network interface, and wireless protocol settings, at the mobile device.

7. The method as recited in claim 8, wherein the act of receiving an indication that the mobile device is configured in accordance with the device configuration settings comprises comparing a comprises an act of comparing a received configuration version to one or more configuration versions representing appropriate configurations for accessing the maintained data.

8. The method as recited in claim 1, further comprises:

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an act of notifying the mobile device that access to maintained data has been permitted.

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9. At a computer system that maintains data accessible to mobile devices, a method for enforcing mobile device access policies prior to permitting mobile device access to maintained data, the method comprising:

an act of receiving a data command from a mobile device, the data command indicating a policy version, the policy version representing the current policy settings at the mobile device;

an act of determining that the current policy settings at the mobile device are not appropriate for accessing data maintained by the computer system;

an act of notifying the mobile device that the current policy settings are not appropriate for accessing the maintained data;

an act of receiving a policy request from the mobile device, the policy request requesting policy settings that are appropriate for accessing the maintained data;

an act of identifying updated policy settings that are appropriate for accessing the maintained data;

an act of sending the updated policy settings along with a corresponding updated policy version to the mobile device, the updated policy version representing the updated policy settings;

an act of receiving a data request along with the updated policy version from the mobile device, the data request requesting that the mobile device be permitted to access the maintained data, the updated policy version indicating that the mobile device is configured in accordance with the updated policy settings; and

an act of notifying the mobile device that access to the maintained data has been permitted.

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10. The method as recited in claim 9, wherein the act of receiving a data command from a mobile device comprises an act of receiving a request for electronic mail data.

11. The method as recited in claim 9, wherein an act of determining that the current policy settings at the mobile device are not appropriate for accessing data maintained by the computer system comprises an act of comparing a received policy version, representing the current policy settings to one or more policy versions representing appropriate policy settings for accessing the maintained data.

12. The method as recited in claim 9, wherein an act of determining that the current policy settings at the mobile device are not appropriate for accessing data maintained by the computer system comprises an act of determining that the mobile device does not support policy settings.

13. The method as recited in claim 9, wherein an act of determining that the current policy settings at the mobile device are not appropriate for accessing data maintained by the computer system comprises an act of determining that the mobile device does not support PIN lock.

14. The method as recited in claim 9, wherein the act of receiving a policy request from the mobile device comprises an act of receiving a policy request for policy settings that are appropriate for accessing electronic mail data.

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15. The method as recited in claim 9, wherein the act of receiving a policy request from the mobile device comprises an act of receiving a policy request from a mobile device selected from among a mobile telephone, a PDA, and a watch.

16. The method as recited in claim 9, wherein the act of identifying updated policy settings that are appropriate for accessing the maintained data comprises an act identifying one or more of PIN lock settings, storage wipe settings, periodic enforcement settings, and policy exceptions.

17. The method as recited in claim 9, wherein the act of sending the updated policy settings along with a corresponding updated policy version to the mobile device comprises an act of sending or more of PIN lock settings, storage wipe settings, periodic enforcement settings, and policy exceptions.

18. The method as recited in claim 9, where the act of receiving a data request along with the updated policy version from the mobile device comprises an act of receiving a policy version indicating that the user of the mobile device is at least temporarily excepted from policy compliance.

19. The method as recited in claim 9, further comprising:

An act of initiating a remote storage wipe of the mobile device.

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20. A computer-program product for use at a computer system that maintains data accessible to mobile devices, the computer program product for implementing a method for enforcing mobile device access policies prior to permitting mobile device access to maintained data, the computer program product comprising one or more computer-readable media having stored thereon computer-executable instructions that, when executed by a processor, cause the computer system to perform the following:

receive a data command from a mobile device, the data command indicating a policy version, the policy version representing the current policy settings at the mobile device;

determine that the current policy settings at the mobile device are not appropriate for accessing data maintained by the computer system;

notify the mobile device that the current policy settings are not appropriate for accessing the maintained data;

receive a policy request from the mobile device, the policy request requesting policy settings that are appropriate for accessing the maintained data;

identify updated policy settings that are appropriate for accessing the maintained data;

send the updated policy settings along with a corresponding updated policy version to the mobile device, the updated policy version representing the updated policy settings;

receive a data request along with the updated policy version from the mobile device, the data request requesting that the mobile device be permitted to access the maintained data, the updated policy version indicating that the mobile device is configured in accordance with the updated policy settings; and

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notify the mobile device that access to the maintained data has been permitted.

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ABSTRACT OF THE DISCLOSURE

The present invention extends to methods, systems, and computer program products for enforcing device settings for mobile devices. Generally, a computer system enforces appropriate mobile device settings (e.g., policy and/or configuration settings) prior to permitting a mobile device to access maintained data. The computer system receives a request from a mobile device. The computer system determines that current mobile device settings are not appropriate for accessing the maintained data. The computer system sends device settings, representing a new mobile device configuration that is appropriate accessing the maintained data, to the mobile device. The computer system receives an indication that the mobile device is configured in accordance with the device settings. The computer system permits the mobile device to access the maintained data in response to receiving the indication that the mobile device is configured in accordance with the device settings.

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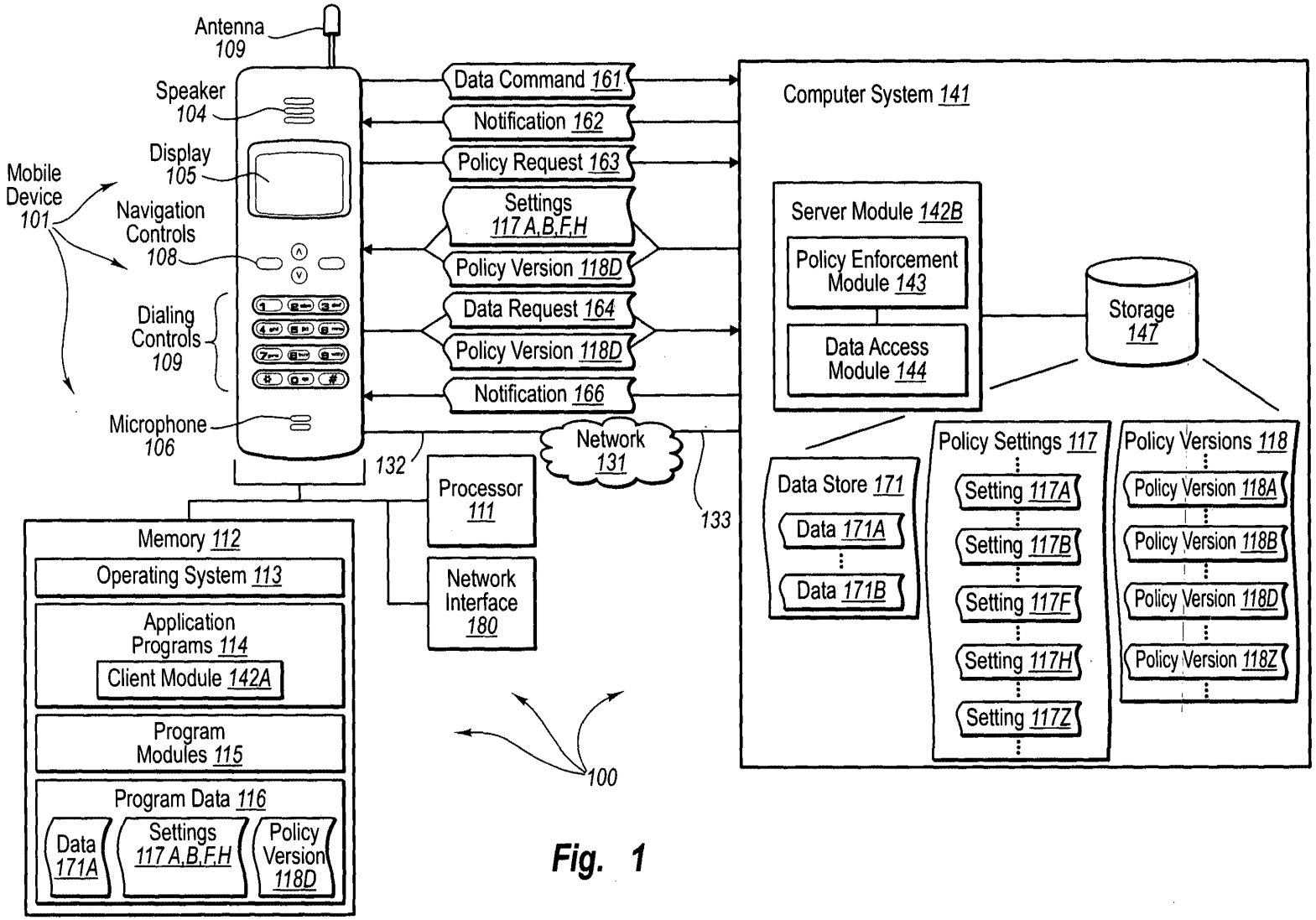

Antenna 109
Speaker 104
Display 105
Mobile Device 101
Navigation Controls 108
Dialing Controls 109
Microphone 106
Data Command 161
Notification 162
Policy Request 163
Settings 117A,B,F,H
Policy Version 118D
Data Request 164
Policy Version 118D
Notification 166
Computer System 141
Server Module 142B
Policy Enforcement Module 143
Data Access Module 144
Storage 147
Network 131
132
133
Processor 111
Network Interface 180
Memory 112
Operating System 113
Application Programs 114
Client Module 142A
Program Modules 115
Program Data 116
Data 171A
Settings 117A,B,F,H
Policy Version 118D
Data Store 171
Data 171A
Data 171B
Policy Settings 117
Setting 117A
Setting 117B
Setting 117F
Setting 117H
Setting 117Z
Policy Versions 118
Policy Version 118A
Policy Version 118B
Policy Version 118D
Policy Version 118Z
100

Fig. 1

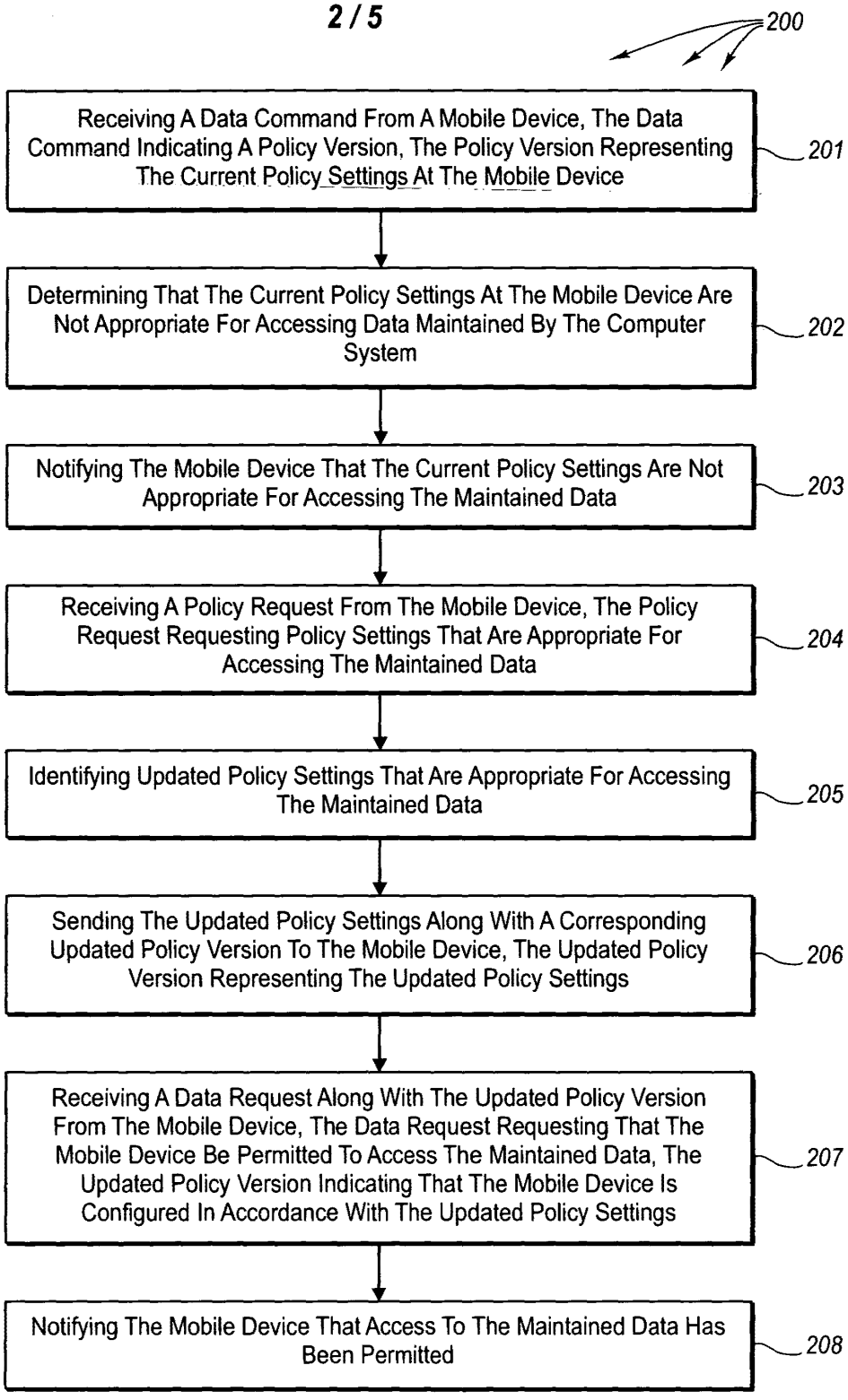

200
Receiving A Data Command From A Mobile Device, The Data Command Indicating A Policy Version, The Policy Version Representing The Current Policy Settings At The Mobile Device
201
Determining That The Current Policy Settings At The Mobile Device Are Not Appropriate For Accessing Data Maintained By The Computer System
202
Notifying The Mobile Device That The Current Policy Settings Are Not Appropriate For Accessing The Maintained Data
203
Receiving A Policy Request From The Mobile Device, The Policy Request Requesting Policy Settings That Are Appropriate For Accessing The Maintained Data
204
Identifying Updated Policy Settings That Are Appropriate For Accessing The Maintained Data
205
Sending The Updated Policy Settings Along With A Corresponding Updated Policy Version To The Mobile Device, The Updated Policy Version Representing The Updated Policy Settings
206
Receiving A Data Request Along With The Updated Policy Version From The Mobile Device, The Data Request Requesting That The Mobile Device Be Permitted To Access The Maintained Data, The Updated Policy Version Indicating That The Mobile Device Is Configured In Accordance With The Updated Policy Settings
207
Notifying The Mobile Device That Access To The Maintained Data Has Been Permitted
208

Fig. 2

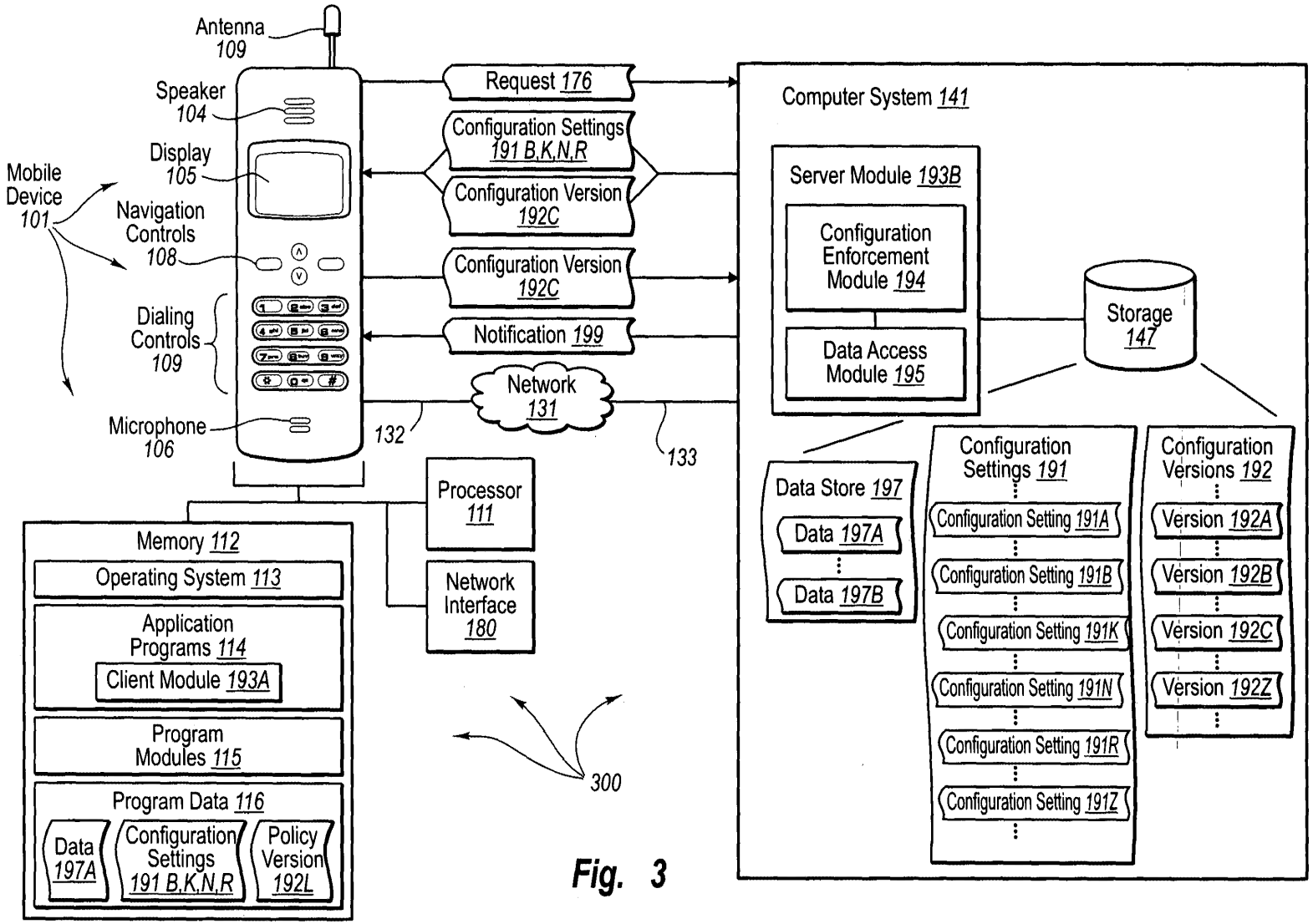

Antenna 109
Speaker 104
Display 105
Mobile Device 101
Navigation Controls 108
Dialing Controls 109
Microphone 106
132
133
Request 176
Configuration Settings 191 B,K,N,R
Configuration Version 192C
Configuration Version 192C
Notification 199
Network 131
Computer System 141
Server Module 193B
Configuration Enforcement Module 194
Data Access Module 195
Storage 147
Data Store 197
Data 197A
Data 197B
Configuration Settings 191
Configuration Setting 191A
Configuration Setting 191B
Configuration Setting 191K
Configuration Setting 191N
Configuration Setting 191R
Configuration Setting 191Z
Configuration Versions 192
Version 192A
Version 192B
Version 192C
Version 192Z
Processor 111
Network Interface 180
Memory 112
Operating System 113
Application Programs 114
Client Module 193A
Program Modules 115
Program Data 116
Data 197A
Configuration Settings 191 B,K,N,R
Policy Version 192L
300

Fig. 3

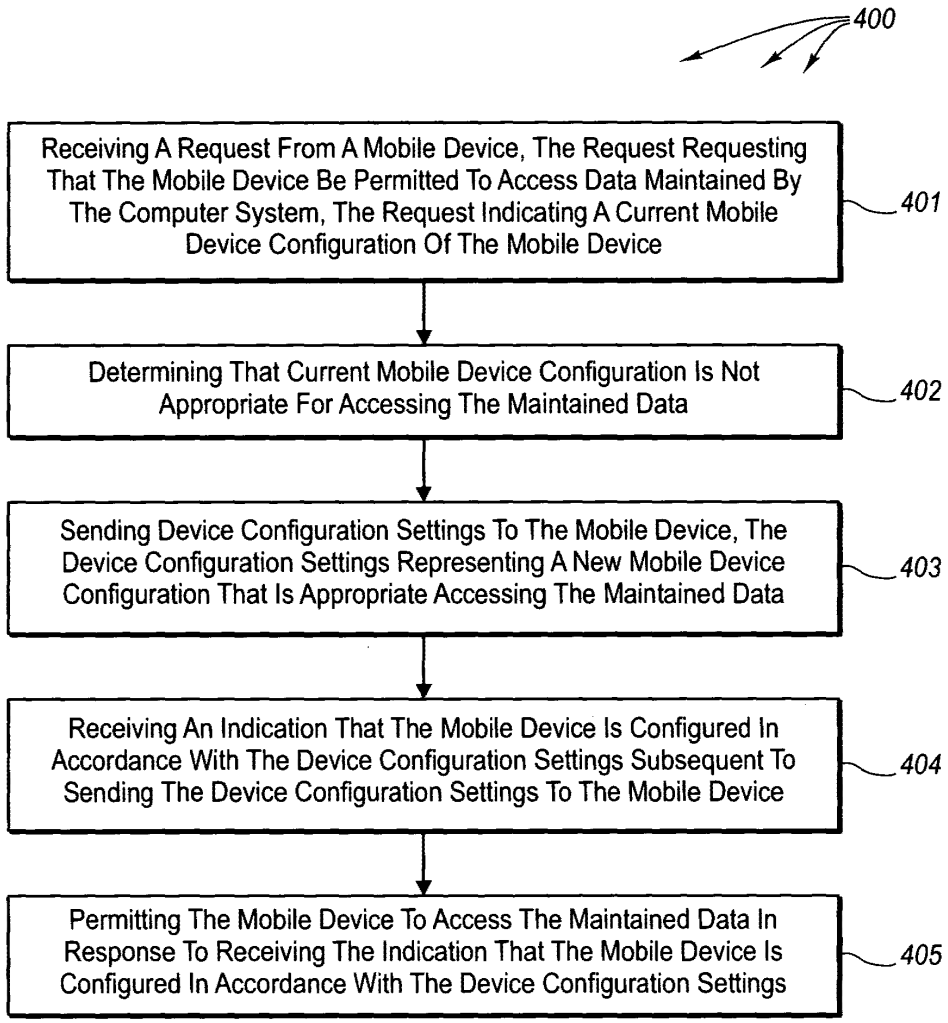

400
Receiving A Request From A Mobile Device, The Request Requesting That The Mobile Device Be Permitted To Access Data Maintained By The Computer System, The Request Indicating A Current Mobile Device Configuration Of The Mobile Device
401
Determining That Current Mobile Device Configuration Is Not Appropriate For Accessing The Maintained Data
402
Sending Device Configuration Settings To The Mobile Device, The Device Configuration Settings Representing A New Mobile Device Configuration That Is Appropriate Accessing The Maintained Data
403
Receiving An Indication That The Mobile Device Is Configured In Accordance With The Device Configuration Settings Subsequent To Sending The Device Configuration Settings To The Mobile Device
404
Permitting The Mobile Device To Access The Maintained Data In Response To Receiving The Indication That The Mobile Device Is Configured In Accordance With The Device Configuration Settings
405

Fig. 4

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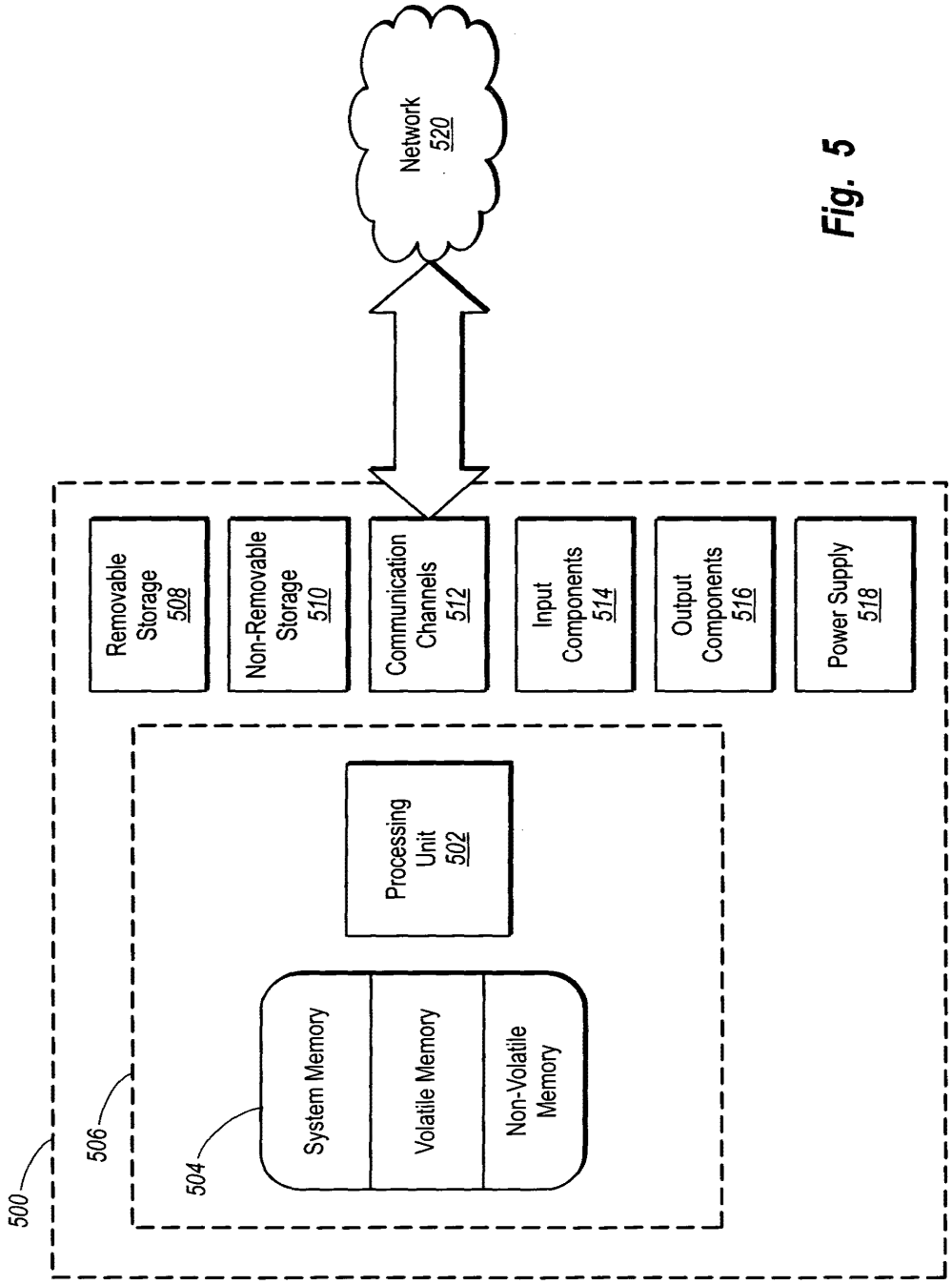


Fig. 5

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Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875 Effective December 8, 2004

Application or Docket Number: 11/71850

APPLICATION AS FILED – PART I

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

APPLICATION AS AMENDED – PART II

AMENDMENT A

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

AMENDMENT B

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

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

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

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

PATENT APPLICATION SERIAL NO. _____

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PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

07/06/2005 STEUMEL1 00000066 11171850

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

PTO-1556
(5/87)

*U.S. Government Printing Office: 2002 — 489-267/60033

Application Data Sheet

Application Information

Application number::	Unknown
Filing Date::	June 30, 2005
Application Type::	Regular
Subject Matter::	Utility
Suggested classification::	
Suggested Group Art Unit::	
CD-ROM or CD-R?::	None
Number of CD disks::	
Number of copies of CDs::	
Sequence submission?::	
Computer Readable Form (CRF)?::	
Number of copies of CRF::	
Title::	ENFORCING DEVICE SETTINGS FOR MOBILE DEVICES
Attorney Docket Number::	13768.614
Request for Early Publication?::	NO
Request for Non-Publication?::	NO
Suggested Drawing Figure::	
Total Drawing Sheets::	5
Small Entity?::	NO
Latin name::	
Variety denomination name::	
Petition included?::	NO
Petition Type::	
Licensed US Govt. Agency::	
Contract or Grant Numbers::	
Secrecy Order in Parent Appl.?::	NO

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Applicant Information

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Country of mailing address::	USA
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State or Province of Residence::	WA
Country of Residence::	USA

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Middle Name::	
Family Name::	Patrick
Name Suffix::	
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Country of Residence::	USA
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State or Province of mailing address::	WA
Country of mailing address::	USA
Postal or Zip Code of mailing address::	98008
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Primary Citizenship Country::	India
Status::	Full Capacity
Given Name::	Nalliah
Middle Name::	
Family Name::	Selvaraj

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Page 000416

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State or Province of mailing address::	WA
Country of mailing address::	USA
Postal or Zip Code of mailing address::	98052

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Middle Name::	
Family Name::	Zhidong
Name Suffix::	
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Country of Residence::	USA
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City of mailing address::	Bellevue
State or Province of mailing address::	WA
Country of mailing address::	USA
Postal or Zip Code of mailing address::	98007

Correspondence Information

Correspondence Customer Number::	47973

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Representative Information

Representative Customer Number::

Domestic Priority Information

Application::	Continuity Type::	Parent Application::	Parent Filing Date::

Foreign Priority Information

Country::	Application number::	Filing Date::	Priority Claimed::

Assignee Information

Assignee name::	Microsoft Corporation
Street of mailing address::	One Microsoft Way
City of mailing address::	Redmond
State or Province of mailing address::	WA
Country of mailing address::	USA
Postal or Zip Code of mailing address::	98052

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