

Search history

Search PN=(WO2012161727) (Results 1)

1:

Search [SP]: picture gesture authentication in one embodiment, a picture signature password system may use a picture signature password to determine access to a computing device or service. a display screen 172 may display a personalized digital image 310. a user input device 160 may receive a user drawing set executed by a user over the personalized digital image 310. a processor 120 may authenticate access to the user session if the user drawing set matches a library drawing set associated with the user. (Results 167)

Search [SP]: 1. a machine-implemented method for authenticating a user session associated with a user, comprising: displaying a personalized digital image on a display screen receiving a user drawing set superimposed on the personalized digital image, the user drawing set including multiple drawing set members, at least two of the multiple drawing set members comprising: a user touch point indicating a position associated with the personalized digital image, a user circle gesture indicating a first set of positions associated with the personalized digital image, a user freestyle form gesture indicating a second set of positions associated with the personalized digital image, or a user line gesture indicating a third set of positions associated with the personalized digital image and authenticating access to the user session if the position, the first set of positions, the second set of positions, or the third set of positions of the at least two of the multiple drawing set members of the user drawing set matches a library drawing set associated with the user. 2. the method of claim 1, further comprising: tracing the user drawing set onto the personalized digital image. 3. the method of claim 1, wherein the multiple drawing set members of the user drawing set include three or more of the user touch point, the user circle gesture, the user freestyle form gesture, or the user line gesture. 4. the method of claim 1, further comprising: receiving an initial library drawing set input and creating the library drawing set from the initial library drawing set input. 5. the method of claim 4, further comprising: receiving a confirmation library drawing set input and displaying a reentry request if the confirmation library drawing set input does not match the initial library drawing set input. 6. the method of claim 5, further comprising: tracing a training library drawing set if the confirmation library drawing set input does not match the initial library drawing set input. 7. the method of claim 1, further comprising: requesting reentry of the user drawing set if the user drawing set does not match the library drawing set associated with the user. 8. the method of claim 1, further comprising: requesting a text password if the user drawing set does not match the library drawing set associated with the user. 9. the method of claim 1, wherein authenticating access to the user session is responsive to determining that each of the multiple user drawing set members match, within a position tolerance value, one of multiple library drawing set members. 10. the method of claim 1, wherein authenticating access to the user session is responsive to determining that one of the multiple user drawing set members matches, within a vector tolerance value, one of multiple library drawing set members. 11. the method of claim 10, further comprising: adjusting the vector tolerance value based on a user accuracy, a user profile, or a user setting. 12. the method of claim 1, further comprising: associating a library drawing set member with a set of timing data indicating a duration of entry, or a speed of entry, of the user touch point, the user circle gesture, the user freestyle form gesture, or the user line gesture for the user drawing set, and wherein authenticating access to the user session is responsive to determining that timing of one of the multiple user drawing set members matches the set of timing data for one of multiple library drawing set members. 13. the method of claim 1, further comprising: determining that the user drawing set matches the library drawing set if a majority of the multiple user drawing set members matches a majority of library drawing set members. 14. the method of claim 1, further comprising: determining that the user drawing set matches the library drawing set based on an aggregate comparison score. 15. one or more computer-readable-media storage devices comprising a set of instructions stored thereon that, responsive to execution by one or more processors, cause the one or more processors to perform operations comprising: displaying a digital image on a display screen, the digital image associated with a user receiving a user drawing set via superimposition over the digital image on the display screen, the user drawing set having multiple user gestures, the multiple user gestures including at least two of: a user touch point indicating a position associated with the digital image a user circle gesture indicating a first set of positions associated with the digital image a user line gesture indicating a second set of positions associated with the digital image or a user freestyle form gesture indicating a third set of positions associated with the digital image and authenticating access to a user session if at least two of the position, the first set of positions, the second set of positions, or the third set of positions associated with the multiple user gestures of the user drawing set match a library drawing set associated with the user. 16. one or more computer-readable-media storage devices as recited in claim 15, wherein the multiple user gestures at least include the user freestyle form gesture. 17. one or more computer-readable-media storage devices as recited in claim 15, wherein the operations further comprise: receiving the digital image from a digital image library associated with the user. 18. one or more computer-readable-media storage devices as recited in claim 15, wherein the operations further comprise: setting a minimum library set size and a minimum complexity level for the library drawing set. 19. a picture signature password system, comprising: a display screen to display a digital image associated with a user a user input device to receive a user drawing set superimposed over the digital image associated with the user and displayed on the display screen, the user drawing set having at least two user gestures, two of the user gestures being: a touch point indicating a position associated with the digital image, a circle gesture indicating a first set of positions associated with the digital image, a line gesture indicating a second set of positions associated with the digital image, or a freestyle form gesture indicating a third set of positions associated with the digital image and a processor to execute a set of instructions to authenticate access to a user session if positions associated with the digital image indicated through the at least two user gestures of the user drawing set match a library drawing set associated with the user. 20. the picture signature password system of claim 19, wherein the user input device is an interactive stylus, a mouse, a direct motion input, or a touch screen, the touch screen integrated into the display screen. (Results 167)

Search 3 and PD<20110524 (Results 107)

4:

Search 4 and method* and authenticat* (Results 64)

5:

Search 5 and (screen* or display* or LCD*) (Results 58)

6:

Search 6 and (circle* or curv* or line* or freestyle or free style) (Results 41)

7:

Search 7 and (compar* or coincid* or tolerance or similar* or equal*) (Results 41)

8:

Title: EMBEDDED **AUTHENTICATION** SYSTEMS IN AN ELECTRONIC DEVICE

Abstract: This invention is directed to an electronic device with an embedded **authentication** system for restricting access to device resources. The **authentication** system may include one or more sensors operative to detect biometric information of a user. The sensors may be positioned in the device such that the sensors may detect appropriate biometric information as the user operates the device, without requiring the user to perform a step for providing the biometric information (e.g., embedding a fingerprint sensor in an input mechanism instead of providing a fingerprint sensor in a separate part of the device housing). In some embodiments, the **authentication** system may be operative to detect a visual or temporal pattern of inputs to **authenticate** a user. In response to **authenticating**, a user may access restricted files, applications (e.g., applications purchased by the user), or settings (e.g., application settings such as contacts or saved game profile).

Classifications:

International (IPC 8-9): A61B5/117 A61B5/1172 G06F11/00 G06F21/00 G06F21/04 G06F21/20 G06F21/30 G06F21/31 G06F21/32 G06F21/36 G06F21/62 G06F3/01 G06F3/041 G06F3/048 G06F3/0481 G06F3/0488 G06F7/04 G06K9/00 G06K9/20 G06K9/32 G06T1/00 G06T7/00 G07F7/08 H04L29/06 H04L9/32 H04M1/00 H04M1/21

H04M1/667 (Advanced/Invention);

G06F3/0481 G06K9/00 H04L29/06 H04L9/32 (Advanced/Non-invention);

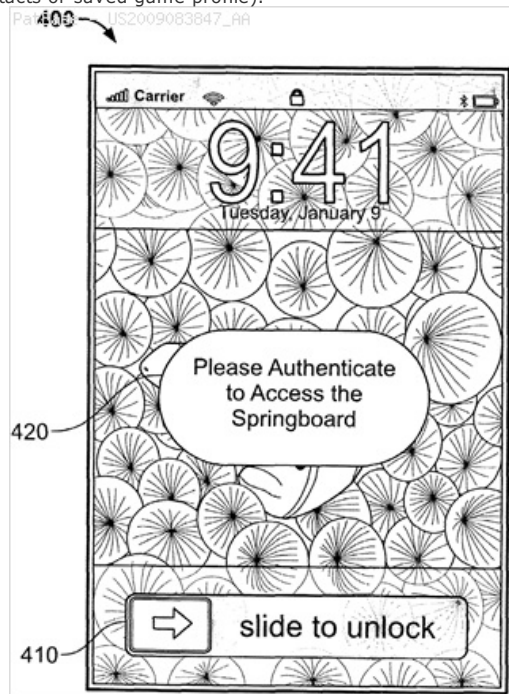
G06F21/00 G06K9/00 H04L9/32 (Core/Invention);

G06F G06K H04L (Subclass/Invention)

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European: G06F21/31B G06F21/32 G06F21/36

US: 1/1 345/173 382/124 713/182 713/186 726/16 726/16P 726/16S 726/17 726/17S 726/19 726/19P 726/4



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Inventor(s): (std): ANDREW HODGE ; ANTHONY FADELL ; CABALLERO RUBEN ; CABALLERO RUBEN R ; DOROGUSKER JESSE LEE ; DOROGUSKER JESSE LEE ; EMERY SANFORD ; FADELL ANTHONY ; FADELL ANTHONY A ; DOROGUSKER JESSE LEE JL ; FADELL ANTHONY M ; HODGE ANDREW ; HODGE ANDREW A ; JESSE LEE DOROGUSKER ; JL ; LEE DOROGUSKER JESSE ; RUBEN CABALLERO ; SANFORD EMERY ; SANFORD EMERY E ; SCHELL STEPHAN ; STEPHAN SCHELL ; STEPHEN ZADESKY ; ZADESKY STEPHEN ; SCHELL STEPHAN S ; ZADESKY STEPHEN S ; ZEDESKY STEPHEN ; ZADESKY STEPHEN PAUL ; SCHELL STEPHAN V ; HODGE ANDREW BERT

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Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; FPA PATENT ATTORNEYS PTY LTD; HERBERT SMITH FREEHILLS; FREEHILLS PATENT ATTORNEY S; BARDEHLE PAGENBERG PARTNERSCHAFT MBB PATENTANWALTE RECHTSANWALTE; BARNFATHER KARL JON; ROONEY JOHN PAUL; HOWELL MATTHEW DAFYDD; TOKKYO GYOMUHOJIN MEISEI INT PATENT FIRM;

KRAMER LEVIN NAFTALIS AND FRANKEL LLP; MORRISON AND FOERSTER LLP; DENTONS US LLP; LEBLOND
PAUL E ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ
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Title: USER DEFINABLE GESTURES FOR MOTION CONTROLLED HANDHELD DEVICES

Abstract: A motion controlled handheld device includes a **display** having a viewable surface and operable to generate an image and a gesture database maintaining a plurality of gestures. Each gesture is defined by a motion of the device with respect to a first position of the device. The device includes a motion detection module operable to detect motion of the handheld device within three dimensions and to identify components of the motion in relation to the viewable surface. The device also includes a control module operable to detect an indication to record a new gesture, detect a stabilization of the components of the motion of the device, upon detecting the stabilization, determine a base reference position, record movement of the device with respect to the base reference position, detect an indication to stop recording the new gesture, define the new gesture using the recorded movement of the device with respect to the base reference position, and store the new gesture in the gesture database.

Classifications:

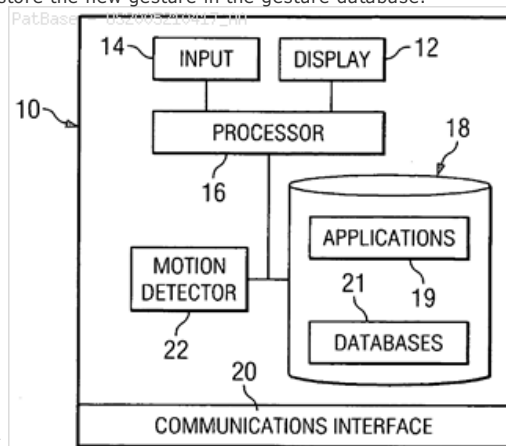
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International (IPC 1-7): G06F1/16 G06F17/00 G06F3/00 G06F9/00 G09G5/00 G09G5/08 H04N5/228 H04N7/18

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**Family:**

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Priority:

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Assignee(s): (std): FUJITSU LTD ; MARVIT DAVID L ; REINHARDT ALBERT H M ; MATSUMOTO HITOSHI ; WILCOX BRUCE A ; ADLER B T ; ADLER B THOMAS

Assignee(s): FUJITSU LIMITED ; ADLER B ; REINHARDT ALBERT HM

Inventor(s): (std): ADLER B THOMAS ; MARVIT DAVID L ADLER B THOMAS ; WILCOX BRUCE A ; THOMAS ADLER B ; REINHARDT ALBERT H M ; MATSUMOTO HITOSHI ; MARVIT DAVID L ; HITOSHI MATSUMOTO ; ADLER THOMAS B ; ADLER B T

Inventor(s): MARVIT DAVID ; ADLER B ; REINHARDT ALBERT ; MARVIT DAVID L ADLER B THOMAS MATSUMOTO HITOSHI WI ; REINHARDT ALBERT HM ; WILCOX BRUCE

Agent(s): HITCHING PETER MATTHEW; ITOH TADAHIKO; BAKER BOTTS LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

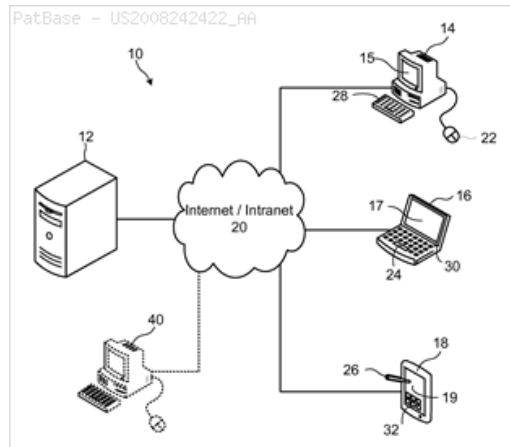
Title: **METHOD**, APPARATUS, SYSTEM, MEDIUM, AND SIGNALS FOR SUPPORTING GAME PIECE MOVEMENT IN A MULTIPLE-PARTY COMMUNICATION

Abstract: Systems, apparatus and **methods** related to multiple-party communications conducted between client computers in a computer network. For example, a **method** and apparatus for moving game piece images **displayed** on a first client computer in communication with a server in a computer network are disclosed. The **method** involves causing at least one game piece image to be **displayed** on a **display** area of the first client computer, the game piece image having an image area and an image boundary enclosing the image area. The **method** also involves receiving a cursor movement signal representing a cursor movement produced in response to user input received from a pointing device in communication with the first client computer, and determining whether a current position of the cursor is within the image boundary associated with the game piece image. The **method** further involves transmitting a piece movement request message to the server to elicit a piece movement message from the server when the current position of the cursor is within the image boundary, the piece movement request message representing a desired change in a position of a cursor in response to the cursor movement signal. The **method** also involves receiving the piece movement message at the first client computer, the piece movement message representing the change in the position of the cursor, and causing a change in a position of the game piece image on the **display** area of the first client computer in response to the piece movement message.

Classifications:

International (IPC 8-9): A63F13/00 A63F13/12 A63F13/30 A63F13/358 A63F13/42 A63F13/426 A63F13/60 A63F13/63 A63F13/79 A63F13/92 A63F9/24 G06F13/00 G06F15/13 G06F15/16 G06F3/00 G06F3/048 G06F3/0481 G06F3/0488 G06F9/44 G06F9/46 H04L12/16 H04L12/18 H04L12/54 H04L12/58 H04L29/02 H04L29/04 H04L29/06 H04L9/32 (Advanced/Invention); A63F13/00 A63F13/12 A63F9/24 G06F15/16 G06F3/00 G06F3/048 H04L12/16 H04L12/18 H04L12/54 H04L29/02 H04L9/32 (Core/Invention)
CPC: H04L63/104 Y10S707/99933 H04L65/4038 A63F2300/5533 H04L67/38 H04L67/22 H04L67/306 H04L51/34 G06F3/0488 A63F13/00 A63F13/358 A63F13/63 A63F13/79 A63F13/40 A63F13/12 A63F2300/6045 H04L29/12103 H04L12/1822 H04L12/1827 H04L51/04 H04L61/1535 A63F13/426 A63F13/60 A63F13/92 H04L65/4015 A63F2300/204 G06F3/04812 A63F13/42

European: A63F13/12 H04L12/18D2 H04L12/18D3 H04L12/58T H04L29/06C4 H04L29/08N21 H04L29/12A2B H04L51/34 H04L61/15B H04L63/10C K63F300/55G1 K63F300/60N T04L12/18D3 T04L12/58B T04L29/06C4 T04L29/06M4C2 T04L29/08N29U T04L51/04
US: 370/261 370/352 463/14 463/31 463/42 463/42P 707/3 707/999.003 709/203 709/203P 709/204 709/205 709/206 709/206P 709/207 709/219 709/237 715/751 715/752 715/753 715/754 715/856 719/313 719/315 719/315P 726/3 726/3P



Family:

Publication number	Publication date	Application number	Application date
US2008242422 AA	20081002	US20070694853	20070330
US2008243994 AA	20081002	US20070694770	20070330
US2008244013 AA	20081002	US20070694883	20070330
US2008244461 AA	20081002	US20070694817	20070330
US2008244615 AA	20081002	US20070694872	20070330
US2008244702 AA	20081002	US20070694865	20070330
US2014141884 AA	20140522	US20140165296	20140127
US2017153786 AA	20170601	US20170429041	20170209
US7765261 BB	20100727	US20070694872	20070330
US7765266 BB	20100727	US20070694883	20070330
US7950046 BB	20110524	US20070694865	20070330
US8060887 BB	20111115	US20070694770	20070330
US8627211 BB	20140107	US20070694817	20070330
US8702505 BB	20140422	US20070694853	20070330
US9579572 BB	20170228	US20140165296	20140127
WO08119149 A1	20081009	WO2007CA00589	20070410

Priority:

US20070694770 20070330	US20070694817 20070330	US20070694853 20070330
US20070694865 20070330	US20070694883 20070330	US20070694872 20070330
US20140165296 20140127	US20170429041 20170209	

Probable Assignee: URANUS INT LTD

Assignee(s): (std): KROPIVNY ALEXANDER ; URANUS INT LTD ; URANUS INTERNAT LTD

Assignee(s): URANUS INTERNATIONAL LIMITED ; URANUS INT OF SEYCHELLES LTD ; URANUS INT

Inventor(s): (std): KROPIVNY ALEXANDER

Agent(s): FISH AND RICHARDSON PC; CRAMER OWEN W ET AL

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: **METHODS** AND SYSTEMS FOR GRAPHICAL IMAGE **AUTHENTICATION**

Abstract: Systems and **methods** for providing **authentication** using an arrangement of dynamic graphical images. The graphical images can be arranged as a grid or matrix for presentation on a device **display** for **authentication** of a user. The kinds of graphical images can be derived from a designated **authentication** category and non-**authenticating** categories. A series of password elements corresponding to the graphical images can be **displayed** with the graphical images. The user may enter the series of one or more password elements corresponding to graphical images from the **authentication** category which combine to form a password entry. An **authentication** server can **compare** the password entry to an **authentication** password corresponding to the particular arrangement of dynamic graphical images. The selection of graphical images, their arrangement and their corresponding password elements, may dynamically change in between **authentication** processes.

Classifications:

International (IPC 8-9): G06F17/30 G06F21/00 G06F21/20 G06F21/30 G06F21/31 G06F21/36 G06F21/60 G06F3/048 G06F7/04 G06K9/00 G06Q30/02 G06T1/00 G09C5/00 H04L29/06

H04L9/32 (Advanced/Invention);

G06K9/00 G06T1/00 H04L9/32 (Advanced/Non-invention);

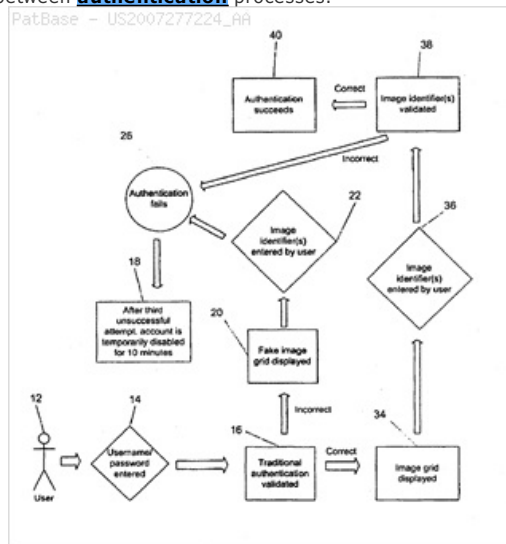
G06F21/00 G06F3/048 G06K9/00 G06T1/00 H04L9/32 (Core/Invention)

International (IPC 1-7): G06F21/20

CPC: G06F21/602 G06F17/30598 G09C5/00 H04L9/3228 H04L2209/16 G06F21/36 H04L9/3226 G06F21/00 G06F21/30 G06F21/31 H04L9/3271 H04L63/083

European: G06F21/36

US: 1/1 340/5.1 340/5.2 340/5.4 340/5.8 340/5.81 340/5.85 707/740 713/168 713/170 713/182 713/183 713/184 715/764 715/764S 726/17 726/17P 726/18 726/19 726/19P 726/2 726/21 726/27 726/2P 726/30 726/4 726/5 726/6 726/7



Family:

Publication number	Publication date	Application number	Application date
AU2007268223 AA	20071206	AU20070268223	20070425
AU2007268223 BB	20101007	AU20070268223	20070425
AU2008218262 AA	20080828	AU20080218262	20080221
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EP2020114 A2	20090204	EP20070776237	20070425
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EP2126773 A1	20091202	EP20080730403	20080221
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JP2008204424 A2	20080904	JP20070162472	20070620
KR100812411 B1	20080310	KR20070061768	20070622
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US2012023574 AA	20120126	US20110007277	20110114
US2013117813 AA	20130509	US20120464734	20120504
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Priority:

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Probable Assignee: CONFIDENT TECHNOLOGIES INC

Assignee(s): (std): CONFIDENT TECHNOLOGIES INC ; DAVIS NICHOLAS A ; GOLDBACH WILLIAM M ; NEEDHAM SARAH ;

NORVELL JOEL ; OSBORN STEVEN L ; SONTAG JAMES L ; VIDOOP L L C ; VIDOOP LLC ; YUDKIN ROMAN O ; STAKER JOSHUA T ; STAKER CURTIS H ; OSBORN III STEVEN L

Inventor(s): (std): DAVIS NICHOLAS A ; JOEL NORVELL ; NORVELL JOEL ; OSBORN STEVEN L ; SONTAG JAMES L ; YUDKIN ROMAN O ; STAKER JOSHUA T ; STAKER CURTIS H ; OSBORN III STEVEN L ; GOLDBACH WILLIAM M ; NEEDHAM SARAH

Inventor(s): STEVEN L OSBORN ; NICHOLAS A DAVIS ; JAMES L SONTAG

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; BARRIGAR INTELLECTUAL PROPERTY LAW; UEXKUELL AND STOLBERG; OHTSUKA SUMIE; CHIBA AKIO; ONO SHINJIRO; SHAMOTO ICHIO; TOMITA HIROYUKI; KOBAYASHI YASUSHI; WILSON SONSINI GOODRICH AND ROSATI; TOMLINSON AND OCONNELL PC; SAN DIEGO IP LAW GROUP LLP; KIM ELAINE A ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: COATING FOR ACTUATOR AND **METHOD** OF APPLYING COATING

Abstract: A **method** includes applying a lip, comprised of a first material, along at least a portion of an actuator of an electronic device, and applying a coating, comprised of an elastic material, to cover a part of the actuator, the coating disposed to facilitate actuation of the actuator.

Classifications:

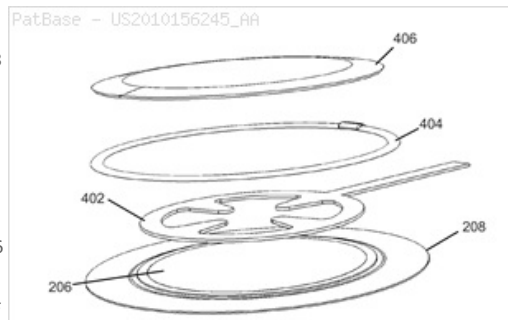
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G06F3/14 H01H13/85 H01L41/053 H01L41/09 H01L41/187 H01L41/22
H01L41/23 H02N2/00 H04B1/38 H04B1/40 H04M1/02 H04M1/23
H04M1/275 H04M1/725 H04W4/12 H04W88/02 (Advanced/Invention);
G06F15/02 G06F3/041 H04M1/00 H04W88/02 (Advanced/Non-invention);
G06F3/01 G06F3/041 (Core/Invention);
B05D5/12 G06F3/01 G06F3/041 H04M1/00 (Core/Non-invention)

International (IPC 1-7): G06F3/01

CPC: G06F3/041 G06F2203/04105 H04M1/0268 H04M2250/22
G06F3/03547 Y10T29/42 G06F3/0412 H01L41/09 H01L41/047 G06F1/1626
H01L41/0533 H01L41/23 G06F3/016 G06F3/0414 B05D1/38 B05D3/00
H04B1/38

European: G06F1/16P3 G06F3/01F G06F3/0354P G06F3/041 G06F3/041F
H01L41/053 H01L41/23 H01L41/39 S06F203/04105 T04M1/02A14D2
T04M250/22

US: 178/18.01 178/19.01 29/25.35 29/25.350S 310/328 310/338 310/339 310/340 310/340P 310/351 310/369 345/173 345/173P
345/174 345/174P 427/100 427/100S 427/58 427/58S 455/566 455/566S



Family:

Publication number	Publication date	Application number	Application date
CA2685639 AA	20100623	CA20092685639	20091116
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EP2202619 A1	20100630	EP20080172725	20081223
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EP2202620 B1	20180221	EP20090172936	20091013
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TW201030573 A	20100816	TW20090141200	20091202
TW201033870 A	20100916	TW20090144239	20091222
TW201035805 A	20101001	TW20090141727	20091207
TW201112079 A	20110401	TW20090144242	20091222
TW201113100 A	20110416	TW20100126807	20100811
US2010156245 AA	20100624	US20090578257	20091013
US2010156814 AA	20100624	US20080342502	20081223

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US2010156843 AA	20100624	US20090578082	20091013
US2010156844 AA	20100624	US20090578141	20091013
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US8384679 BB	20130226	US20090578082	20091013
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US8427441 BB	20130423	US20090578141	20091013

Priority:

EP20080172725 20081223	US20080342502 20081223	EP20090172936 20091013
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US20090578082 20091013	US20090578141 20091013	US20090578246 20091013
EP20090173436 20091019	EP20090173502 20091020	CA20102711021 20100729

Probable Assignee: BLACKBERRY LTD

Assignee(s): (std): BARTA IAN PAUL ; BLACKBERRY LTD ; BROGLE RICHARD JAMES ; FAUBERT PERRY ALLAN ; PALECZNY TODD ROBERT ; MEHLHORN KURT JOHANNES GERD ; STRITTMATTER PATRICK CLEMENT ; WEBER ARNETT RYAN ; RESEARCH IN MOTION LTD

Assignee(s): WEBER ARNETT ; WEBER ARNETT RYAN77717 - 440 PHILLIP STREETWATERLOOO1N2L 5R9CA ; RESEARCH IN MOTION LTD2200 UNIVERSITY AVENUE EASTWATERLOOO1N2K 0A7CA ; FAUBERT PERRY ALLAN32-18181 - 68TH AVENUESURREYB1V3S 9J1CA ; PALECZNY TODD ROBERT71450 - 440 PHILLIP STREETWATERLOOO1N2L 5R9CA ; GRANT CHRISTOPHER J ; BLACKBERRY LTD2200 UNIVERSITY AVENUE EASTWATERLOOO1N2K 0A7CA ; FAUBERT PERRY ; RESEARCH IN MOTION LIMITED ; RESEARCH IN MOTION LIMITEDCA ; RESEARCH IN MOTION CORP

Inventor(s): (std): ALLAN FAUBERT PERRY ; ARNETT WEBER ; BROGLE RICHARD JAMES ; BARTA IAN PAUL ; FAUBERT PERRY ALLAN ; FAUBERT PERRY ; GRANT CHRISTOPHER J ; CLEMENT STRITTMATTER PATRICK ; MELHORN GERD KURT JOHANNES ; STRITTMATTER PATRICK CLEMENTE ; PALECZNY TODD ; PALECZNY TODD ROBERT ; STRITTMATTER PATRICK CLEMENT ; MEHLHORN KURT JOHANNES GERD ; RYAN WEBER ARNETT ; ROBERT PALECZNY TODD ; PAUL BARTA IAN ; JOHANNES MELHORN GERD KURT ; JAMES BROGLE RICHARD ; WEBER ARNETT ; WEBER ARNETT RYAN ; CLEMENTE STRITTMATTER PATRICK ; TODD PALECZNY

Inventor(s): WEBER ARNETT RYAN77717 - 440 PHILLIP STREETWATERLOOO1N2L 5R9CA ; FAUBERT PERRY ALLAN32-18181 - 68TH AVENUESURREYB1V3S 9J1CA ; PALECZNY TODD ROBERT71450 - 440 PHILLIP STREETWATERLOOO1N2L 5R9CA ; STRITTMATTER PATRICK CLEMENTUS

Agent(s): BORDEN LADNER GERVAIS LLP; FENNELL GARETH CHARLES; ROBERTS GWILYM VAUGHAN; RESEARCH IN MOTION,ATTN: GLENDA WOLFE; RESEARCH IN MOTION ATTN GLENDA WOLFE; SUSAN L; RESEARCH IN MOTION LTD

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Title: SYSTEM, **METHOD** AND COMPUTER PROGRAM PRODUCT FOR **AUTHENTICATING** A CLIENT

Abstract: A system, **method** and computer program product are provided for **authenticating** a user. The **method** includes receiving, such as from an **authenticator**, a set of at least one label identifying at least one element of an **authentication matrix**. The **authentication matrix** includes a plurality of elements, each element capable of being identified by a label. Then, a passcode is formulated, such as by the client, based upon the element(s) identified by the received set of label(s). Thereafter, the client is **authenticated** based upon the formulated passcode, such as by the **authenticator**. The set of label(s) can be received, the passcode can be formulated, and the client can be **authenticated** a plurality of times. In such instances, to permit the passcode to dynamically change, each set of label(s) received can differ from each previously received set of label(s).

Classifications:

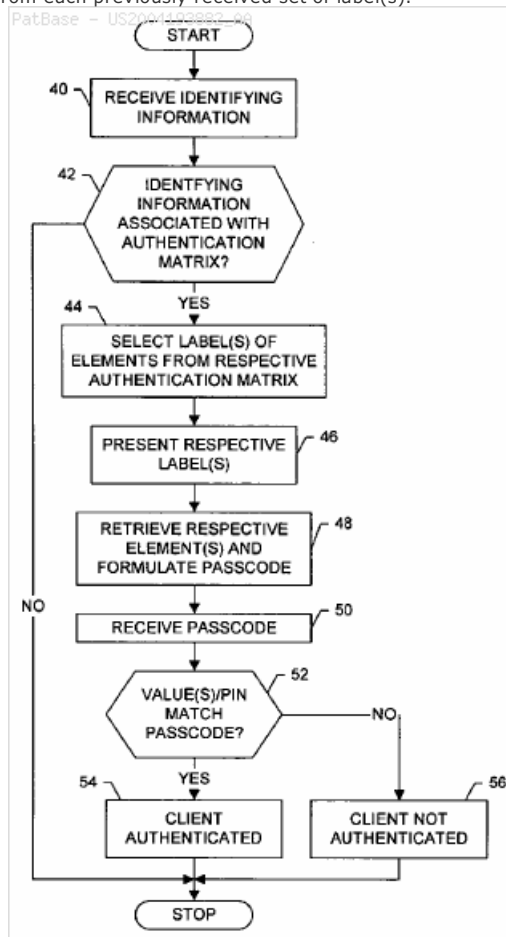
International (IPC 8-9): G06F15/16 H04L9/32 (Advanced/Invention);
H04L9/32 (Core/Invention)

International (IPC 1-7): H04L9/32

CPC: H04L9/3226 H04L2209/56

European: H04L9/32

US: 709/203 713/168 713/168P 726/7



Family:

Publication number	Publication date	Application number	Application date
US2004193882 AA	20040930	US20040808166	20040324
US2012311687 AA	20121206	US20120490067	20120606
US8224887 BB	20120717	US20040808166	20040324

Priority:

US20030457357P 20030326 US20040808166 20040324 US20120490067 20120606

Probable Assignee: AUTHENTICATID CORP

Assignee(s): (std): AUTHENTICATID CORP ; AUTHENTICATID LLC ; SINGERLE JR GREGORY J

Inventor(s): (std): SINGERLE GREGORY J ; SINGERLE JR GREGORY J

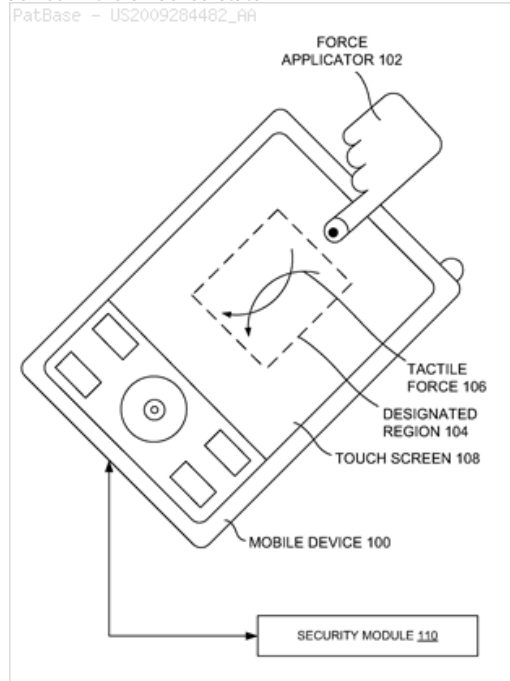
Agent(s): SMITH MOORE LEATHERWOOD LLP

Title: TOUCH-BASED **AUTHENTICATION** OF A MOBILE DEVICE THROUGH USER GENERATED PATTERN CREATION

Abstract: A **method**, system, and apparatus of a touch-based **authentication** of a mobile device through user generated pattern creation are disclosed. In one embodiment, a **method** of a mobile device includes recognizing a tactile force on a touch **screen** without a visual aid as an unlocking gesture, storing the unlocking gesture to a memory of the mobile device, associating another tactile force on the touch **screen** with the unlocking gesture, and transforming the mobile device from an initial state to an unlocked state based on the association between the another tactile force and the unlocking gesture. The **method** may include transforming the mobile device to operate as a telephonic communication device in the unlocked state.

Classifications:

International (IPC 8-9): G06F21/00 G06F21/32 G06F21/36 G06F3/041 G06F3/0488 G06F7/04 G06Q20/10 G06Q20/32 G06Q40/00 G09G5/00 H04L9/32 H04N1/00 H04W12/06 H04W12/08 (Advanced/Invention); H04W88/02 (Advanced/Non-invention); G06F3/041 G09G5/00 H04N1/00 (Core/Invention)
CPC: G06Q20/10 G06Q20/102 G06Q40/00 G06F3/017 G06F3/011 H04M1/72519 H04M2250/52 G06F21/36 G06F1/3203 H04W12/06 H04W88/02 G06F21/00 H04L9/32 G06Q20/3278 G06F3/04883 G06F2203/04808 G06Q20/108 H04L63/108 G06F21/32
European: G06F1/32P G06F21/32 G06F3/01B G06F3/01G G06F3/03H G06F3/0488G G06Q20/10 G06Q20/102 G06Q20/108 G06Q20/3278 G06Q40/00 H04M1/725F S06F203/04808 T04M250/52
US: 1/1 178/18.01 178/18.03 178/19.01 178/20.01 340/5.54 340/5.540P 345/156 345/156P 345/169 345/173 345/173P 345/173S 345/178 345/204 379/142.05 382/181 455/411 455/411P 455/566 455/566S 705/35 705/35S 705/39 705/39S 705/40 705/40P 705/42 705/42P 715/863 726/19 726/6 726/6S



Family:

Publication number	Publication date	Application number	Application date
US2009284482 AA	20091119	US20080122667	20080517
US2011187497 AA	20110804	US20110083632	20110411
US2011251954 AA	20111013	US20110166829	20110623
US2011282785 AA	20111117	US20110189592	20110725
US2011300831 AA	20111208	US20110212211	20110818
US2012081282 AA	20120405	US20110324483	20111213
US2014137234 AA	20140515	US20140164271	20140127
US7593000 BA	20090922	US20080343516	20081224
US8174503 BB	20120508	US20080122667	20080517
US8913028 BB	20141216	US20140164271	20140127
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US9082117 BB	20150714	US20110189592	20110725

Priority:

US20080122667 20080517	US20080343516 20081224	US20110083632 20110411
US20110166829 20110623	US20110189592 20110725	US20110212211 20110818
US20110324483 20111213	US20130864281 20130417	US20140164271 20140127

Probable Assignee: CHIN DAVID H
Assignee(s): (std): CHIN DAVID H
Assignee(s): CAIN DAVID H
Inventor(s): (std): CHIN DAVID H
Agent(s): RAJ ABHYANKER LLP; RAJ; RAJ ABHYANKER PC; DAVID E

Title: SYSTEM FOR AND **METHOD** OF WEB SIGNATURE RECOGNITION SYSTEM BASED ON OBJECT MAP

Abstract: The present invention includes a system and a **method** of validating an identity of a user using a pointing device by **comparing** a sampled mouse signature with an **authenticated** mouse signature. The **method** includes presenting a virtual pad including a background graphic image, a plurality of objects positioned on the background graphic image to a user. The user moves the pointing device to manipulate a cursor on the background graphic image. The **method** includes a step of sampling a plurality of events corresponding to positions of the cursor to provide a sampled mouse signature including a set of position vectors. The present invention includes **comparing** the sampled mouse signature to a stored mouse signature representing the identity of a user, and validating the identity of a user in response to the **comparing** step.

Classifications:

International (IPC 8-9): G06F1/00 G06F21/32 G06F21/36 G06K9/00 G07C9/00 (Advanced/Invention);

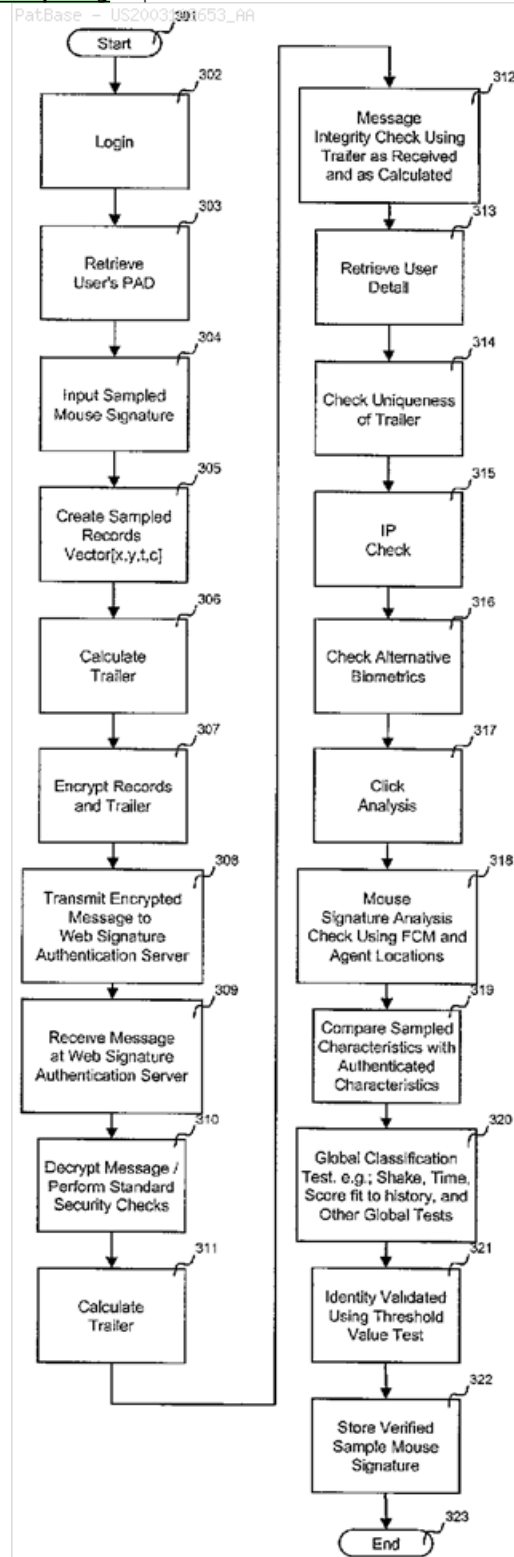
G06F1/00 G06F21/00 G06K9/00 G07C9/00 (Core/Invention)

International (IPC 1-7): G06F1/00 G06K9/00 G09G5/00

CPC: G06F21/32 G06F21/36 G07C9/0015

European: G06F1/00N5A2 G06F21/32 G06F21/36 G07C9/00C2C

US: 345/741 345/745 382/115 382/116 382/119 382/119P 713/176 713/186 715/741 715/745 715/745P



Family:

Publication number	Publication date	Application number	Application date
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AU2002348247 AA	20030617	AU20020348247	20021127	
AU2002348247 AH	20030617	AU20020348247	20021127	
EP1461673 A2	20040929	EP20020782378	20021127	
EP1461673 B1	20150107	EP20020782378	20021127	
US2003103653 AA	20030605	US20010000796	20011204	
US2004095384 AA	20040520	US20030697938	20031031	
US6687390 BB	20040203	US20010000796	20011204	
US7715600 BB	20100511	US20030697938	20031031	
WO03048909 A2	20030612	WO2002US37907	20021127	
WO03048909 A3	20040513	WO2002US37907	20021127	

Priority:

US20010000796 20011204 WO2002US37907 20021127 US20030697938 20031031

Probable Assignee: ARTIFICIAL INTELLIGENCE RESEARCH GROUP LTD

Assignee(s): (std): APPLIED NEURAL COMPUTING L L C ; APPLIED NEURAL COMPUTING LTD ; APPLIED NEURAL COMPUTING LTD ; APPLIED NEURAL TECHNOLOGIES LT ; AVNI YOSSSI ; SUCHARD EYTAN ; APPLIED NEURAL TECHNOLOGIES LTD

Assignee(s): APPLIED NEURAL TECHNOLOGIES OF WOODBOURNE HALL LTD ; ARTIFICIAL INTELLIGENCE RESEARCH GROUP LTD ; APPLIED NEURAL TECHNOLOGIES LIMITED ; APPLIED NEURAL COMPUTING LLC

Inventor(s): (std): AVNI YOSSSI ; SUCHARD EYTAN

Inventor(s): YOSSSI AVNI ; EYTAN SUCHARD

Agent(s): HOPLEY JOANNE SELINA; FULBRIGHT AND JAWORSKI LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Title: SECURE AUTHENTICATION SYSTEMS AND METHODS

Abstract: Systems and methods are provided for authentication by combining a Reverse Turing Test (RTT) with password-based user authentication protocols to provide improved resistance to brute force attacks. In accordance with one embodiment of the invention, a method is provided for user authentication, the method including receiving a username/password pair associated with a user; requesting one or more responses to a first Reverse Turing Test (RTT); and granting access to the user if a valid response to the first RTT is received and the username/password pair is valid.

Classifications:

International (IPC 8-9): G06F17/00 G06F21/00 G06F21/22 G06F21/34 G06F21/36 G06F7/04 G06K9/00 H04L29/06 H04L9/32 (Advanced/Invention); G06F21/62 (Advanced/Non-invention); G06F17/00 G06F21/00 G06F7/02 G06K9/00 H04L29/06 H04L9/32 (Core/Invention)

International (IPC 1-7): H04L9/32

CPC: H04L63/083 G06F21/6218 H04L63/0815 H04L63/12 H04L63/105 G06F21/36 G06F21/34 H04L63/1458

European: G06F21/34

US: 1/1 713/202 726/1 726/18 726/19 726/2 726/21 726/21P 726/2P 726/5 726/5P 726/7 726/7P

PatBase - US2004059951_AA

Patent Application Publication Mar. 25, 2004 Sheet 1 of 4 US 2004/0059951 A1

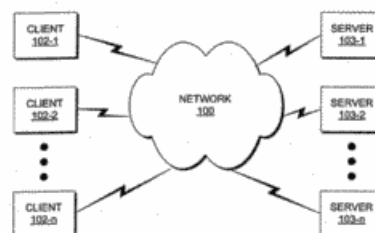


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
US2004059951 AA	20040325	US20030423531	20030425
US2008016551 AA	20080117	US20070781210	20070720
US2008134323 AA	20080605	US20070926803	20071029
US2008184346 AA	20080731	US20070781196	20070720
US2011214169 AA	20110901	US20110081711	20110407
US2012266226 AA	20121018	US20120532223	20120625
US2014196135 AA	20140710	US20140189152	20140225
US2017019395 AA	20170119	US20160075547	20160321
US7383570 BB	20080603	US20030423531	20030425
US7703130 BB	20100420	US20070781210	20070720
US7941836 BB	20110510	US20070781196	20070720
US8230489 BB	20120724	US20110081711	20110407
US8707408 BB	20140422	US20120532223	20120625
US9306938 BB	20160405	US20140189152	20140225

Priority:

US20020375022P	20020425	US20030423531	20030425	US20070781196	20070720
US20070781210	20070720	US20070926803	20071029	US20110081711	20110407
US20120532223	20120625	US20140189152	20140225	US20160075547	20160321

Probable Assignee: INTERTRUST TECHNOLOGIES CORP

Assignee(s): (std): INTERTRUST TECH CORP ; INTERTRUST TECHNOLOGIES CORP ; PINKAS BINYAMIN ; SANDER TOMAS

Inventor(s): (std): SANDER TOMAS ; PINKAS BINYAMIN

Agent(s): FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP

Title: GRAPHICAL **AUTHENTICATION**

Abstract: A **method** includes **displaying** a base image and a secondary image overlying the base image on a **display**, detecting an alignment of a first element of the base image with a second element of the secondary image, and when the first element and the second element are pre-selected elements for a user, **authenticating** the user.

Classifications:

International (IPC 8-9): G02F G06F G06F17/30 G06F21/00 G06F21/22 G06F21/36 G06F3/048 G06F3/0484 G06F7/04 G06K9/00 G06K9/32 G06K9/36 G06T3/20 G06T7/00 G07C9/00 G07F7/10

H04L9/32 (Advanced/Invention);

H04N7/16 (Advanced/Non-invention);

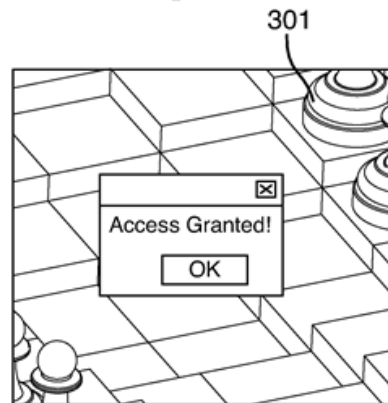
G06F21/00 (Core/Non-invention)

CPC: G07C9/00142 G07F7/10 G06F21/36 G06F3/04842 G06F3/0481 G06K9/6211

European: G06F21/36

US: 1/1 382/115 382/115P 726/16 726/16P 726/19 726/2 726/2S

PatBase - US2010322485_AA

**Family:**

Publication number	Publication date	Application number	Application date
CA2765922 AA	20111219	CA20102765922	20100615
CA2766019 AA	20111219	CA20102766019	20100615
CN102804195 A	20121128	CN201080036587	20100615
CN102804195 B	20160803	CN201080036587	20100615
CN102804196 A	20121128	CN201080036589	20100615
CN102804196 B	20160511	CN201080036589	20100615
EP2443579 A1	20120425	EP20100728857	20100615
EP2443581 A1	20120425	EP20100732724	20100615
GB200910545 A0	20090729	GB20090010545	20090618
GB200912008 A0	20090819	GB20090012008	20090710
GB2471142 A1	20101222	GB20090012008	20090710
GB2471142 B2	20121017	GB20090012008	20090710
IN00346CN2012 A	20130329	IN2012CN00346	20120110
IN00351CN2012 A	20130329	IN2012CN00351	20120110
TW201115383 A	20110501	TW20100119542	20100615
TWI557588 B	20161111	TW20100119542	20100615
US2010322485 AA	20101223	US20100815763	20100615
US2012167199 AA	20120628	US20100379337	20100615
US2015248547 AA	20150903	US20150712013	20150514
US9064104 BB	20150623	US20100815763	20100615
WO10146352 A1	20101223	WO2010GB01172	20100615
WO10146353 A1	20101223	WO2010GB01173	20100615

Priority:

GB20090010545	20090618	GB20090012008	20090710	CN201080036587	20100615
WO2010GB01172	20100615	US20100815763	20100615	WO2010GB01173	20100615
US20150712013	20150514				

Probable Assignee: BLACKBERRY LTD**Assignee(s):** (std): BLACKBERRY LTD ; FIRESTORM LTD ; ORIGIN LTD ; THEREFORE LTD ; RESEARCH IN MOTION LTD ; RIDDIFORD MARTIN ; RIDDIFORD MARTIN PHILIP ; SPLASHCLICK LTD**Assignee(s):** RESEARCH IN MOTION LIMITED ; SPLASHCLICK LIMITED ; ORGIN LTD ; THEREFORE LIMITED ; HOLMES ANDREW ; LANGLEY PETER ; MORRISON LYONS BARNABY ; ORIGIN LIMITED ; FIRESTORM LIMITED**Inventor(s):** (std): RIDDIFORD MARTIN PHILIP ; RIDDIFORD MARTIN ; MARTIN RIDDIFORD**Agent(s):** RIDOUT AND MAYBEE LLP; FENNEL GARETH CHARLES; RESEARCH IN MOTION,ATTN: GLENDA WOLFE; RESEARCH IN MOTION ATTN GLENDA WOLFE; FISH AND RICHARDSON PC; KILBURN AND STRODE LLP; KILBURN AND STRODE LLP ET AL**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: USER INTERFACE AND **METHOD** FOR INPUTTING PASSWORD AND PASSWORD SYSTEM USING THE SAME

Abstract: A password system and a **method** for **authenticating** a user of such a password system are disclosed. The present invention provides a novel **method** for inputting a password that is capable of preventing a password from being revealed to others observing the course of inputting the password, and an improved password system that is capable of providing a user interface suitable to such a **method** for inputting a password. The user interface provides at least two symbol boards, and symbols arranged on the two symbol boards are matched by means of matching means provided to a user. At this time, the symbols matched for inputting the password and other different false symbols disguised as the symbols matched for inputting the password are matched simultaneously, whereby it is not possible for an observer to distinguish which of the symbol matching is the one for inputting the password.

Classifications:

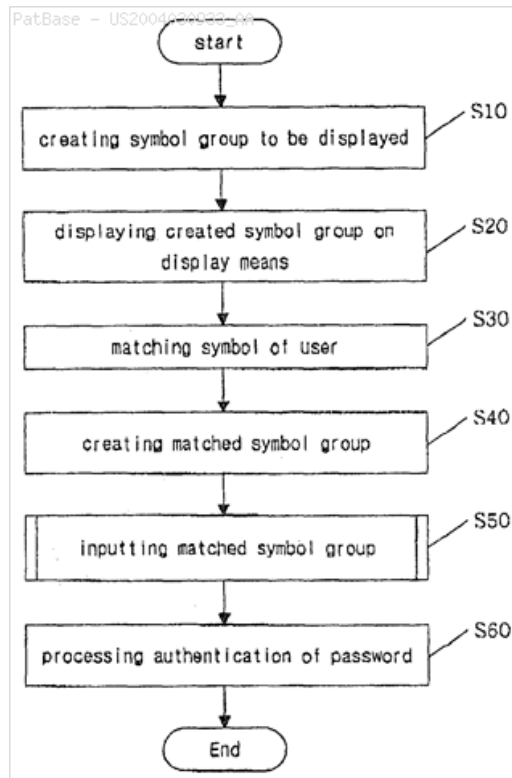
International (IPC 8-9): G06F15/00 G06F21/00 G06F21/20 G06F3/023 G06F7/04 G07F7/10 H04L9/32 (Advanced/Invention); G06F15/00 G06F3/023 (Advanced/Non-invention); G06F15/00 G06F21/00 G06F21/20 G06F3/023 G07F7/10 H04L9/32 (Core/Invention)

International (IPC 1-7): G06F15/00 G06F3/023 H03F1/26 H04L9/32

CPC: G06F21/36 G07F7/10 G07F7/1041

European: G06F21/36 G07F7/10 G07F7/10P2B

US: 702/189 702/189P 713/202 726/18 726/18P 726/6



Family:

Publication number	Publication date	Application number	Application date
AU2003252550 AA	20040408	AU20030252550	20030809
CN100361115 C	20080109	CN20038019461	20030809
CN1675629 A	20050928	CN20038019461	20030809
EP1540489 A1	20050615	EP20030797730	20030809
EP1540489 A4	20080227	EP20030797730	20030809
JP2005535990 T2	20051124	JP20040568914T	20030809
KR100806521 B1	20080221	KR20057002317	20030809
KR20020077838 A	20021014	KR20020047012	20020809
KR20030064665 A	20030802	KR20030029764	20030512
KR20040014129 A	20040214	KR20020086889	20021230
KR20050074434 A	20050718	KR20057002317	20030809
US2004030933 AA	20040212	US20030389924	20030318
US2005246138 AA	20051103	US20050523797	20050208
US7240367 BB	20070703	US20030389924	20030318
WO04027632 A1	20040401	WO2003KR01617	20030809

Priority:

KR20020047012 20020809 KR20020086889 20021230 KR20030028103 20030502
 KR20030029764 20030512 WO2003KR01617 20030809 WO2003KR01617 20050207

Probable Assignee: CRYPTZONE LTD A ORGANIZED UNDER LAWS OF REPUBLIC OF KOREA CORP

Assignee(s): (std): CRPTZONE LTD ; CRYPTZONE ; PARK SEUNG BAE ; SEUNG BAE PARK ; SHINBITECH ; SHINBITECH CO LTD

Assignee(s): SHINBITECH CO ; CRYPTZONE LTD ; CRYPTZONE LTD A ORGANIZED UNDER LAWS OF REPUBLIC O ; CRYPTZONE LTD A ORGANIZED UNDER LAWS OF REPUBLIC OF KOREA CORP ; PARK SEOUNG BAE

Inventor(s): (std): PARK SEOUNG BAE ; PARK SEUNG BAE ; SEUNG BAE PARK

Agent(s): ROBERT E BUSHNELL, ATTORNEY AT LAW

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: ASSOCIATIVE DATA STORAGE SYSTEM FOR COLLECTABLE OBJECTS

Abstract: A data storage device for use in combination with at least one collectable object is described. The data storage device is formed detached from the collectable object. The collectable object is provided with tamper resistant visual markings. And, the data storage device is provided with tamper resistant visual markings associative with the visual markings of the collectable object so as to provide association of the data storage device with the collectable object. The data storage device is compatible with a standard computer system to provide a user with at least one predetermined characteristic of the collectable object with or without an external database.

Classifications:

International (IPC 8-9): A45C11/00 A45C11/00 A47G1/12 B65D25/54 B65D5/52 B65D69/00 B65D71/00 B65D77/00 B65D81/02 B65D85/00 G06F12/00 G06F12/02 G06K19/00 G09F3/00

H04N21/61 (Advanced/Invention);

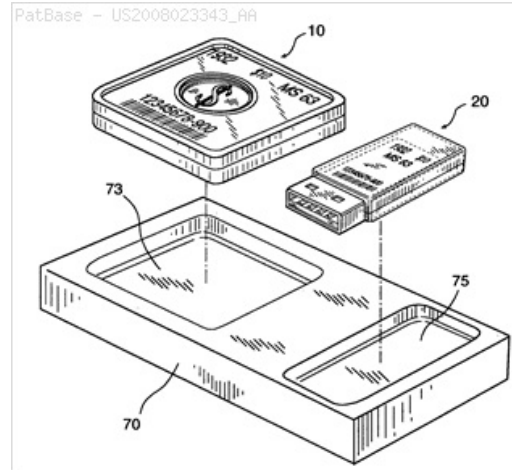
A45C1/00 A45C11/00 A47G1/00 B65D25/00 B65D5/44 B65D71/00 B65D85/00 G06K19/00 G09F3/00 (Core/Invention)

CPC: G06Q30/06 B01L3/508 B01L3/54 B01L2300/022 B01L2300/023 B01L2300/024 B01L2300/0822 G06K19/04 G09F3/0297 G09F3/185 G09F2003/0272 B65D81/02 G06F12/0246 B65D2203/10 H04N21/26283 H04N21/4331 H04N21/4622 H04N21/4782 H04N21/812 H04N21/814 H04N21/8456 H04N21/6112 H04N21/6125 B65D11/10 B65D25/10 B65D2203/06 B65D85/58 B65D2101/00 G09F5/02 G06Q30/018 G07D9/002

European: B01L3/00C2 B01L3/00E B01L3/508 B01L3/54 B65D73/00C B65D85/58 G06K19/04 G06Q30/06 G09F3/02F G09F3/18B L01L300/02A2 L01L300/02B L01L300/02C L01L300/08B8 L65D101/00 L65D203/00 L65D85/58 S09F3/02A17

US: 206/0.8 206/0.800S 206/0.81 206/0.810P 206/0.810S 206/0.84 206/223 206/223S 206/232 206/459.5 206/459.500P 206/459.500S 206/775 206/81 235/487 365/185.33 365/185.330S 40/661 711/103 711/103P 711/E12.001 711/E12.001S 725/112 725/115 725/33

Locarno class: 20/68

**Family:**

Publication number	Publication date	Application number	Application date
US2008023343 AA	20080131	US20060513004	20060830
US2008023344 AA	20080131	US20070891407	20070810
US2008023351 AA	20080131	US20060493312	20060726
US2008023371 AA	20080131	US20070710378	20070223
US2008149518 AA	20080626	US20080072618	20080227
US2008230402 AA	20080925	US20080156186	20080530
US2011031139 AA	20110210	US20100924170	20100922
US2011068016 AA	20110324	US20100927565	20101118
US2011082969 AA	20110407	US20100928280	20101208
US2013146487 AA	20130613	US20130758882	20130204
US2013212621 AA	20130815	US20130836150	20130315
US2013246692 AA	20130919	US20130801405	20130313
US8376133 BB	20130219	US20060493312	20060726

Priority:

US20060493312 20060726	US20060513004 20060830	US20070710378 20070223
US20070891407 20070810	US20080072618 20080227	US20080156186 20080530
US20100924170 20100922	US20100927565 20101118	US20100928280 20101208
US20130758882 20130204	US20130801405 20130313	US20130836150 20130315

Probable Assignee: TRIVENI DIGITAL INC

Assignee(s): (std): CHERNOCK RICHARD ; CORL MARK T ; GOLDFINCH DESIGN STUDIO LLC ; MACOR JAMES J ; MACOR JAMES JOSEPH

Assignee(s): TRIVENI DIGITAL INC

Inventor(s): (std): CHERNOCK RICHARD ; CORL MARK T ; MACOR JAMES J ; MACOR JAMES JOSEPH

Agent(s): JAMES J MACOR

Title: ROBUST VISUAL PASSWORDS

Abstract: Enrollment and authentication of a user based on a sequence of discrete graphical choices is described. A graphical interface presents various images and memory cues that a user may associate with their original graphical choices. Enrollment may require the input to have a security parameter value that meets or exceeds a threshold. An acceptable sequence of graphical choices is converted to a sequence of values and mapped to a sequence of codewords. Both a hash of the sequence of codewords and a sequence of offsets are stored for use in authenticating the user. An offset is the difference between a value and its corresponding codeword. Authentication requires the user to enter another sequence of discrete graphical choices that is approximately the same as original. The offsets are summed with the corresponding values before mapping to codewords. Authentication requires the sequence of codewords, or a hash thereof, to match.

Classifications:

International (IPC 8-9): G06F1/00 G06F17/30 G06F21/00 G06F21/36 G06K9/00 G06K9/22 H03M13/00 H04L9/08 H04L9/30 H04L9/32 (Advanced/Invention);

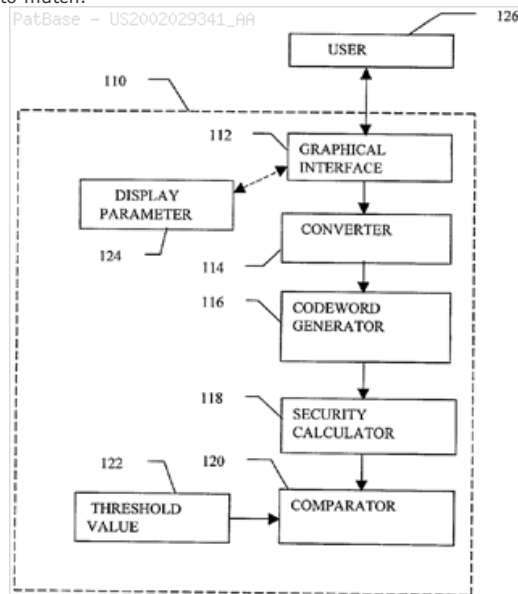
G06F1/00 G06F17/30 G06F21/00 G06K9/00 G06K9/22 H03M13/00 H04L9/08 H04L9/28 H04L9/32 (Core/Invention)

International (IPC 1-7): G06F1/00 G09C1/00 H03M13/00 H03M13/37 H04L1/00 H04L12/22 H04L9/08 H04L9/30 H04L9/32

CPC: G06K9/00154 H04L9/3226 H04L9/3236 H04L9/3073 H04L9/3218 H04L9/3231 G06F21/36 G06K9/222 H04L63/083 H03M13/00 H04L9/304 H04L2209/16

European: G06F1/00N1V1 G06F1/00N5A G06F21/36 G06K9/00C G06K9/22H H03M13/00 H04L29/06S8D H04L63/08D H04L9/08 H04L9/30E H04L9/32

US: 708/135 708/135S 713/184 713/184P 713/202 726/17 726/2 726/4 726/7 726/7S

**Family:**

Publication number	Publication date	Application number	Application date
AT255787 E	20031215	AT20000910144T	20000210
AU200032286 A1	20000914	AU20000032286	20000210
AU200032286 A5	20000914	AU20000032286D	20000210
AU2001251202 AA	20011023	AU20010251202	20010402
AU200151202 A1	20011023	AU20010051202	20010402
AU200151202 A5	20011023	AU20010051202	20010402
CA2362882 AA	20010810	CA20002362882	20000210
DE60006935 D1	20040115	DE20006006935	20000210
DE60006935 T2	20041104	DE20006006935T	20000210
EP1149475 A1	20011031	EP20000910144	20000210
EP1149475 B1	20031203	EP20000910144	20000210
JP2002538504 T2	20021112	JP20000601745T	20000210
US2002029341 AA	20020307	US20010815560	20010323
US7219368 BB	20070515	US20010815560	20010323
WO0051244 A1	20000831	WO2000US03522	20000210
WO0051244 C1	20010329	WO2000US03522	20000210
WO0177792 A2	20011018	WO2001US10498	20010402
WO0177792 A3	20030130	WO2001US10498	20010402

Priority:

US19990119674P 19990211	US19990137687P 19990604	WO2000US03522 20000210
US20000191708P 20000323	US20000544809 20000407	US20010815560 20010323
WO2001US10498 20010402		

Probable Assignee: EMC IP HOLDING CO LLC**Assignee(s):** (std): JUELS ARI ; RSA SECURITY INC ; WATTENBERG MARTIN M

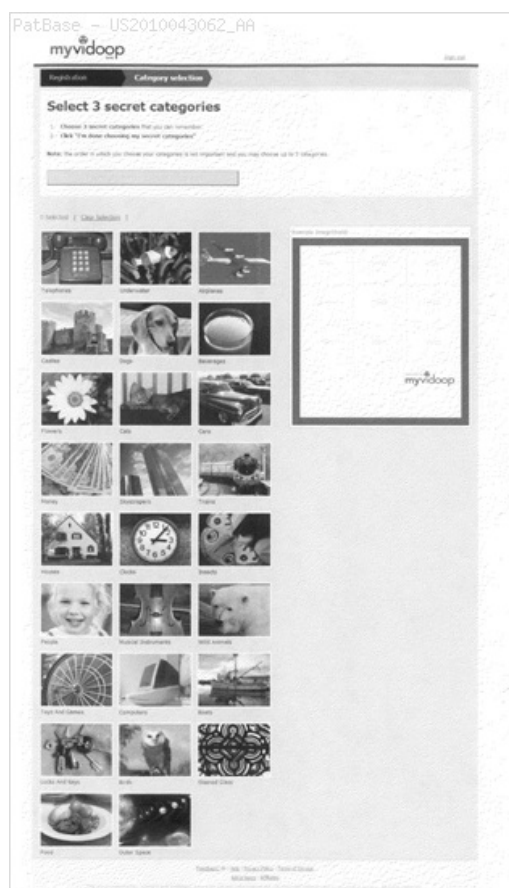
Assignee(s): RSA SECURITY LLC ; RSA SECURITY INC BEDFORD ; RSA SECURITY HOLDING INC ; BANK OF NEW YORK MELLON TRUST CO NA NOTES COLLATERAL AGENT AS ; CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AGENT AG AS ; EMC CORP ; EMC IP HOLDING CO LLC ; FRYKHOLM NIKAS

Inventor(s): (std): FRYKHOLM NIKAS ; WATTENBERG MARTIN M ; WONG BONNIE M ; JUELS ARI ; FRYKHOLM NIKLAS**Inventor(s):** ARI JUELS ; BONNIE M WONG ; MARTIN M WATTENBERG**Agent(s):** CHRYSILIOU IP; OGILVY RENAULT LLP SENCRL SRL; WILMER CUTLER PICKERING HALE AND DORR LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MW MX MY NZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Abstract: The invention provides **methods** and systems for management of image-based password accounts. A password management account may be accessed by a user undergoing image-based **authentication**. The invention may allow a user to manage parameters relating to image-based **authentication**. The invention may also allow a user to manage **authentication** at one or more web site.

International (IPC 8-9): G06F7/04 H04L9/32 (Advanced/Invention);
G06F7/02 H04L9/32 (Core/Invention)
CPC: H04L9/3226 H04L2209/56 H04L2209/60 H04L2209/80 G06F21/36
G06F21/83 G06F2221/2117
European: G06F21/36 G06F21/83 H04L9/32 S06F221/2117
US: 726/6 726/6P 726/6S 726/7 726/7P 726/7S



Publication number	Publication date	Application number	Application date
US2010043062 AA	20100218	US20080212635	20080917
US2011202982 AA	20110818	US20080678570	20080917
WO09039223 A1	20090326	WO2008US76742	20080917

US20070973154P 20070917	US20070987006P 20071109	US20080212635 20080917
WQ2008US76742 20080917	US20080678570 20080917	

Assignee(s): (std) ALEXANDER SAMUEL WAYNE ; BLOMQUIST SCOTT A ; BONG KOESMANTO LEKA ; KUERT ADAM PAUL ; SONTAG JAMES LUKE ; LEE CHRISTOPHER JAMES ; OSBORN STEVEN L II ; STOVER BENJAMIN JOEL ; VIDEOOP LLC ; OSBORN II STEVEN L ; GRICKY JASON ALLYN

Inventor(s): (std): ALEXANDER SAMUEL WAYNE ; BLOMQUIST SCOTT A ; BONG KOESMANTO LEKA ; GRICKY JASON ALLYN ; KUERT ADAM PAUL ; LEE CHRISTOPHER JAMES ; OSBORN II STEVEN L ; OSBORN STEVEN L II ; SONTAG JAMES LUKE ; STOVER BENJAMIN JOEL ; OSBORN STEVEN L ; KERT ADAM PAUL ; GRICKY JOSON ALLYN ; BLOMQUIST SCOTT A

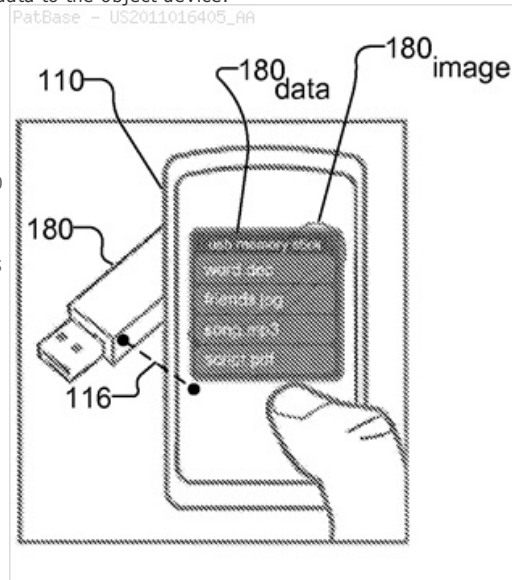
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: AUTOMATIC INTERFACING BETWEEN A MASTER DEVICE AND OBJECT DEVICE

Abstract: A master device images an object device and uses the image to identify the object device. The master device then automatically interfaces with the identified object device, for example, by pairing with the object device. The master device may receive broadcast data from the object device including information about the visual appearance of the object device and use the broadcast data in the identification of the object device. The master device may retrieve data related to the object device and display the related data, which may be display the data over the displayed image of the object device. The master device may provide an interface to control the object device or be used to pass data to the object device.

Classifications:

International (IPC 8-9): G06F13/00 G06F15/16 G06F3/01 G06F3/048
G06F3/0488 G06K9/00 G06K9/22 G06K9/46 H04B7/00 H04H60/35
H04L29/06 H04N1/00 H04N5/225 H04N5/232 H04N7/18 H04Q9/00
H04W12/08 H04W4/00 H04W76/02 (Advanced/Invention);
H04L29/06 (Advanced/Non-invention);
G06K9/22 H04W12/08 H04W76/02 (Core/Non-invention)
CPC: H04L63/083 H04N1/00307 H04N1/00408 H04N1/0044
H04N2201/0013 H04N2201/0055 H04N2201/0084 H04N5/23203 G06K9/00
H04N1/00127 H04N1/00315 H04N7/185 H04N5/23222 H04W4/80
European: H04N1/00C H04N1/00D3D H04N1/00D3D4 T04L63/08D
T04N1/00C7D T04N201/00C11T5 T04N201/00C9 T04N201/00J4
US: 348/207.1 348/207.100S 348/E5.024 348/E50.24S 382/190 382/190S
455/41.2 715/740 715/740P

**Family:**

Publication number	Publication date	Application number	Application date
BR112012001134 A2	20160223	BR20121101134	20100716
CN102625981 A	20120801	CN201080033713	20100716
CN102625981 B	20161130	CN201080033713	20100716
EP2454834 A2	20120523	EP20100735401	20100716
EP2597796 A1	20130529	EP20120007994	20100716
EP2597796 A3	20131211	EP20120007994	20100716
IN00103MN2012 A	20121130	IN2012MN00103	20120113
JP2012533802 T2	20121227	JP20120520817T	20100716
JP2015038740 A2	20150226	JP20140182705	20140908
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KR101583245 B1	20160108	KR20147016382	20100716
KR101755147 B1	20170719	KR20157037140	20100716
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KR20140090263 A	20140716	KR20147016382	20100716
KR20160006262 A	20160118	KR20157037140	20100716
TW201110784 A	20110316	TW20100123691	20100719
TWI423709 B	20140111	TW20100123691	20100719
US2011016405 AA	20110120	US20100786886	20100525
US2014327786 AA	20141106	US20140335123	20140718
US2015138376 AA	20150521	US20150604993	20150126
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US8971811 BB	20150303	US20140335123	20140718
US9667817 BB	20170530	US20150604993	20150126
WO11009069 A2	20110120	WO2010US42318	20100716
WO11009069 A3	20110428	WO2010US42318	20100716

Priority:

US20090226545P	20090717	US20090226552P	20090717	US20100786686	20100525
US20100786886	20100525	EP20100735401	20100716	JP20120520817	20100716
JP20120520817T	20100716	WO2010US42318	20100716	US20140335123	20140718
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Probable Assignee: QUALCOMM INC

Assignee(s): (std): DIAZ SPINDOLA SERAFIN ; GROB MATTHEW S ; KEATING VIRGINIA WALKER ; QUALCOMM INC ; WRIGHT GERALD V JR ; WRIGHT JR GERALD V

Assignee(s): QUALCOMM INCORPORATED ; WRIGHT GERALD V

Inventor(s): (std): DIAZ SPINDOLA SERAFIN ; GERALD V WRIGHTJR ; GROB MATTHEW S ; SERAFIM DIAZ SPINDLE ; SERAFIN DIAZ SPINDOLA ; SPINDOLA SERAFIN DIAZ ; VIRGINIA WALKER KEATING ; WALKER KEATING VIRGINIA ; KEATING VIRGINIA WALKER ; WRIGHT GERALD V JR ; WRIGHT JR GERALD V

Inventor(s): MATTHEW S GROB ; WRIGHT GERALD V ; GERALD V WRIGHT JR

Agent(s): CARSTENS DIRK WILHELM; WIMMER HUBERT; QUALCOMM INC; JENNIFER M; ESPARTACO DIAZ; PAREKH SHYAM K

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SKETCH-BASED PASSWORD **AUTHENTICATION**

Abstract: A graphical password **authentication method** is based on sketches drawn by user. The **method** extracts a template edge orientation pattern from an initial sketch of the user and an input edge orientation pattern from an input sketch of the user, **compares** the **similarity** between the two edge orientation patterns, and makes an **authentication** decision based on the **similarity**. The edge orientations are quantized, and each edge orientation pattern includes a set of quantized orientation patterns each corresponding to one of the quantized edge orientations. The number of quantized edge orientations, as well as other parameters such as the dimension of the final orientation patterns and acceptance threshold, can be optimized either globally or user-specifically.

Classifications:**International (IPC 8-9):** G06F13/14 G06F17/00 G06F21/00 G06F3/00

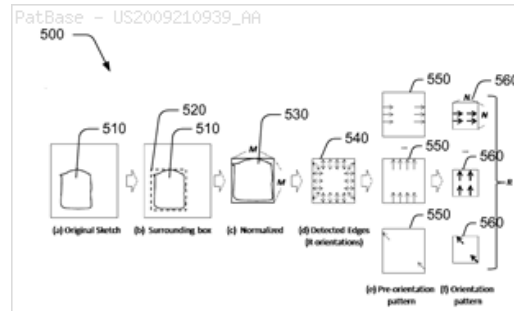
G06F7/04 G06K9/46 G06T7/00 H04L9/32 (Advanced/Invention);

G06F13/14 G06F17/00 G06F21/00 G06F3/00 G06T7/00

H04L9/32 (Core/Invention)

CPC: G06F21/36 G06K9/00154**European:** G06F21/36 G06K9/00C**US:** 713/182 713/183 713/184 713/185 713/186 726/16 726/17 726/18

726/19 726/19P 726/2 726/20 726/21

**Family:**

Publication number	Publication date	Application number	Application date
DE602009012989 D1	20130321	DE200960012989T	20090131
EP2260429 A2	20101215	EP20090711593	20090131
EP2260429 A4	20110706	EP20090711593	20090131
EP2260429 B1	20130123	EP20090711593	20090131
US2009210939 AA	20090820	US20080034254	20080220
US8024775 BB	20110920	US20080034254	20080220
WO09105324 A2	20090827	WO2009US32771	20090131
WO09105324 A3	20091022	WO2009US32771	20090131

Priority:

US20080034254 20080220 EP20090711593 20090131 WO2009US32771 20090131

Probable Assignee: MICROSOFT TECHNOLOGY LICENSING LLC**Assignee(s):** (std): MICROSOFT CORP**Assignee(s):** MICROSOFT TECHNOLOGY LICENSING LLC ; MICROSOFT TECHNOLOGY LICENSING LLC REDMOND**Inventor(s):** (std): XU YING QING ; WEN FANG ; OKA MIZUKI**Inventor(s):** OKA MIZUKI REDMOND ; WEN FANG REDMOND ; XU YING QING REDMOND**Agent(s):** GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER ANWALTSSOZIETAET; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER; LEE AND HAYES PLLC

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: IMAGE OR PICTOGRAPHIC BASED COMPUTER LOGIN SYSTEMS AND METHODS

Abstract: Image based login procedures for computer systems include: (a) displaying a first image on a computer screen; (b) receiving user input indicating a portion of the first image; (c) determining if the user input corresponds to a first acceptable user input for user authentication; and (d) proceeding with the authentication procedure when this user input corresponds to the first acceptable user input for user authentication. Additionally or optionally, when proceeding with this authentication procedure, the systems and methods further may include: displaying a second image on the screen; receiving new user input indicating a portion of the second image; and determining if this new input corresponds to a second acceptable user input for user authentication.

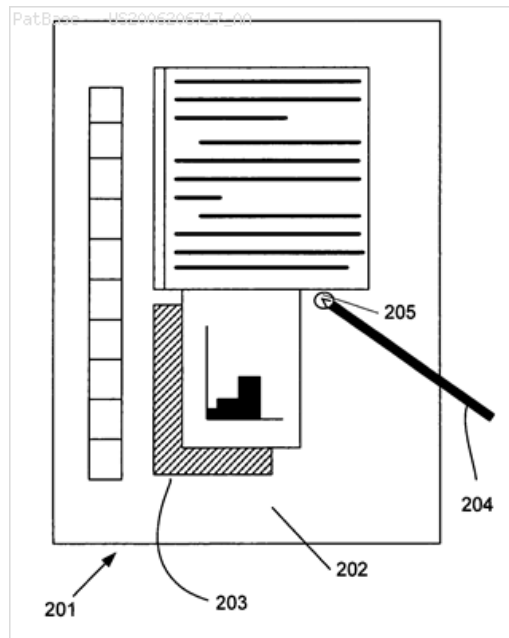
Classifications:

International (IPC 8-9): G06F12/00 G06F12/14 G06F13/00 G06F17/30 G06F21/00 G06F21/31 G06F21/32 G06F7/04 G06F7/58 G06K19/00 G11C7/00 H04K1/00 H04L9/00 H04L9/32 (Advanced/Invention); G06F12/00 G06F12/14 G06F13/00 G06F17/30 G06F7/02 G06F7/58 G06K19/00 G11C7/00 H04K1/00 H04L9/00 H04L9/32 (Core/Invention)

CPC: G06F21/36 G06F21/31 G06F21/32

European: G06F21/36

US: 713/182 713/182P 713/186 726/16 726/16S 726/17 726/17S



Family:

Publication number	Publication date	Application number	Application date
US2006206717 AA	20060914	US20050073742	20050308
US7953983 BB	20110531	US20050073742	20050308
USRE44725 E	20140121	US20120409877	20120301
USRE46301 E	20170207	US20140156044	20140115

Priority:

US20050073742 20050308 US20120409877 20120301 US20140156044 20140115

Probable Assignee: MICROSOFT TECHNOLOGY LICENSING LLC

Assignee(s): (std): HOLT ERIK L ; HUMPHRIES RUSSELL ; KOWALCZYK MATTHEW E ; MICROSOFT CORP ; MICROSOFT TECHNOLOGY LICENSING LLC

Inventor(s): (std): HOLT ERIK L ; HUMPHRIES RUSSELL ; KOWALCZYK MATTHEW E

Inventor(s): HOLT ERIK ; KOWALCZYK MATTHEW

Agent(s): BANNER AND WITCOFF LTD ATTORNEYS FOR CLIENT NOS 003797 AND 013797; WOODCOCK WASHBURN LLP; TIMOTHY J; MICKY; DANIEL

Title: Apparatus and **method** for controlling secret data by using positions of input image points on an image and a sequence of the positions

Abstract: A secret data management apparatus includes an image **display** unit which **displays** an image on a **display** monitor. A position/sequence input unit inputs positions of input image points on the image using an input device and inputs a sequence of the positions using the input device. An encryption unit generates encrypted data of a secret key based on the positions and the sequence from the position/sequence input unit. A secret data storage unit stores the encrypted data of the secret key from the encryption unit in a storage medium. An access allowance unit allows access to the secret key stored in the storage medium when positions of input image points on the image and a sequence of the positions, subsequently specified using the input device at a time of the access, match with the positions and the sequence from the position/sequence input unit. A decryption unit generates plain data of the secret key from the encrypted data stored in the storage medium when the access is allowed by the access allowance unit.

Classifications:

International (IPC 8-9): G06F12/14 G06F21/00 G06F21/20 G06F21/24 H04L9/08 H04L9/32 (Advanced/Invention);

G06F12/14 G06F21/00 G06F21/20 H04L9/08 H04L9/32 (Core/Invention)

International (IPC 1-7): G06F1/00 G06F12/14 G06F15/00 H04L9/08 H04L9/32 H04N1/44

CPC: G06F21/36 G06F21/6209 G06F2211/007 G09C5/00

European: G06F1/00N5A G06F21/36 G06F21/62A G09C5/00 S06F211/014B

US: 380/205 380/210 380/54 713/176

PatBase - US6118872_A

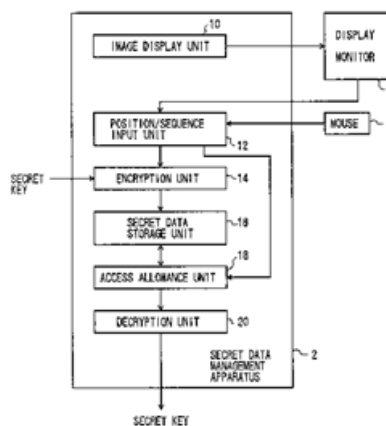
U.S. Patent

Sep. 12, 2000

Sheet 1 of 28

6,118,872

FIG. 1



Family:

Publication number	Publication date	Application number	Application date
DE69817109 D1	20030918	DE19986017109	19980326
DE69817109 T2	20040429	DE19986017109T	19980326
EP0901060 A2	19990310	EP19980302327	19980326
EP0901060 A3	20020821	EP19980302327	19980326
EP0901060 B1	20030813	EP19980302327	19980326
JP11088324 A2	19990330	JP19970241408	19970905
JP3781874 B2	20060531	JP19970241408	19970905
US6118872 A	20000912	US19980046684	19980324

Priority:

JP19970241408 19970905

Probable Assignee: FUJITSU LTD

Assignee(s): (std): FUJITSU LTD

Assignee(s): FUJITSU LTD KAWASAKI ; FUJITSU LIMITED

Inventor(s): (std): MATSUURA MASATAKU ; MATSUURA MASATAKA ; KASHIMA KAZUNORI

Agent(s): ITOH TADAHICO

Designated states: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Title: TOUCH-SENSITIVE **DISPLAY METHOD** AND APPARATUS

Abstract: A portable electronic device comprises at least one force sensor configured to generate a force signal based at least in part on a force applied to a touch-sensitive **display**, and a processor configured to receive the force signal and to provide a feedback signal when the force exceeds a force threshold. The at least one force sensor may be integrated into the touch-sensitive **display**.

Classifications:

International (IPC 8-9): G06F3/01 G06F3/041 G06F3/044

G08B21/00 (Advanced/Invention);

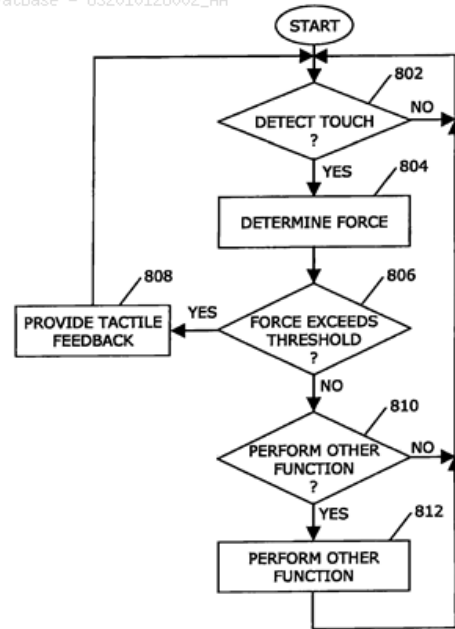
G06F3/041 G08B21/00 (Core/Invention)

CPC: G06F3/0414 G06F3/016 G06F3/044

European: G06F3/01F G06F3/041F G06F3/044

US: 1/1 340/665 340/665S 345/173 345/173S 345/174 345/174P

PatBase - US2010128002_AA



Family:

Publication number	Publication date	Application number	Application date
CA2741580 AA	20110421	CA20092741580	20091124
CA2741580 C	20161018	CA20092741580	20091124
EP2368170 A1	20110928	EP20090765188	20091124
EP2368170 B1	20171101	EP20090765188	20091124
US2010128002 AA	20100527	US20090625381	20091124
US9116569 BB	20150825	US20090625381	20091124
WO10062901 A1	20100603	WO2009US65741	20091124

Priority:

US20080118406P 20081126 US20090625381 20091124 WO2009US65741 20091124

Probable Assignee: BLACKBERRY LTD

Assignee(s): (std): BLACKBERRY LTD ; LOWLES ROBERT J ; LOWLES ROBERT JAMES ; STACY WILLIAM ; RESEARCH IN MOTION LTD

Assignee(s): STACY WILLIAM TURLAY ; RESEARCH IN MOTION LIMITED ; RESEARCH IN MOTION CORP

Inventor(s): (std): LOWLES ROBERT J ; LOWLES ROBERT JAMES ; STACY WILLIAM ; STACY WILLIAM TURLAY

Agent(s): BORDEN LADNER GERVAIS LLP; BRYN JACOBSEN CAELIA; RESEARCH IN MOTION CORP Q AND B ATTN GLENDA WOLFE; GARY; CRGO LAW; STEVEN M; ARK DANIEL J

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: PERSONAL IDENTIFICATION DEVICES AND ACCESS CONTROL SYSTEMS

Abstract: PCT No. PCT/GB92/02220 Sec. 371 Date May 26, 1994 Sec. 102(e) Date May 26, 1994 PCT Filed Nov. 30, 1992 PCT Pub. No. WO93/11511 PCT Pub. Date Jun. 10, 1993A lock (19) which by physical or logical means controls human access to an objective (29) such as a restricted area or a computer system is controlled by a data processing system (10) which has access to a store of authorised users (14) and a store of complex images (15), specifically images of human faces. Each authorised user knows certain ones of the complex images, and these key images are linked to an identity statement unique to that user. On receipt of an identity statement signifying an authorised user, a matrix of images including the key images is presented to the user on a **display** (12), and by means of a suitable input device (20) the user must identify which images are his key images in order to confirm authorisation and be permitted access. The user and image stores (18) may be carried in credit card form as a section of an optical disk. The high security of the system results from the inability of a person to communicate adequately to another the ability to recognise a third person or other complex image.

Classifications:

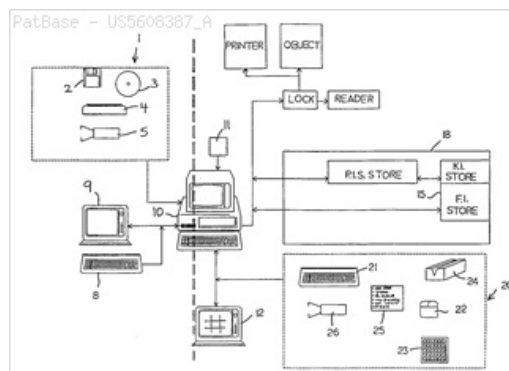
International (IPC 8-9): G06F1/00 G06F21/00 G06F21/20 G06F21/36
G06K17/00 G07C9/00 (Advanced/Invention);
G06F15/00 G06K17/00 (Advanced/Non-invention);
G06F1/00 G06F21/00 G06F21/20 G06K17/00 G07C9/00 (Core/Invention)

International (IPC 1-7): E05B49/04 G06F12/00 G06F15/00 G06K17/00
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CPC: G07C9/00079 G06F21/36

European: G06F21/36 G07C9/00B6D2

US: 340/5.27 340/5.51 340/5.6 340/825.31 340/825.34 382/118

**Family:**

Publication number	Publication date	Application number	Application date
AT176349 E	19990215	AT19920923947T	19921130
AU199340291 A1	19930628	AU19930040291	19921130
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EP0614559 A1	19940914	EP19920923947	19921130
EP0614559 B1	19990127	EP19920923947	19921130
ES2129462 T3	19990616	ES19920923947T	19921130
GB2276967 A1	19941012	GB19940010003	19921130
GB2276967 B2	19951101	GB19940010003	19921130
GB9125540 A0	19920129	GB19910025540	19911130
GB9410003 A0	19940727	GB19940010003	19921130
GR3029997 T3	19990730	GR19990401076T	19990419
HK57596 A	19960412	HK19960000575	19960403
HU214529 B	19980330	HU19940001328	19921130
HU66345 A2	19941128	HU19940001328	19921130
HU9401328 A0	19940829	HU19940001328	19921130
JP3530185 B2	20040524	JP19930509954T	19921130
JP7502351 T2	19950309	JP19930509954T	19921130
KR100292547 B1	20010601	KR19940702253	19940530
KR19940704034 A	19941212	KR19940702253	19940530
KR19947004034 A	19941212	KR19947002253	19921130
US5608387 A	19970304	US19940244346	19940526
WO9311511 A2	19930610	WO1992GB02220	19921130
WO9311511 A3	19930708	WO1992GB02220	19921130

Priority:

GB19910025540 19911130 WO1992GB02220 19921130

Probable Assignee: VISAGE DEVELOPMENTS LTD

Assignee(s): (std): DAVIES ; DAVIES JOHN H E ; DAVIES JOHN HUGH EVANS ; JOHN HUGH EVANS DAVIES ; VISAGE DEVELOPMENTS LTD ; VISAGE DEVELOPMENTS LIMITED

Assignee(s): VISAGE DEVELOPMENTS LTD WORCESTER PARK SURREY GB ; NON SUPPORTIVE DI BELL ROPE A DISTANT HEARTS LTD

Inventor(s): (std): DAVIES JOHN H E ; DAVIES JOHN HUGH EVANS

Inventor(s): DAVIES JOHN HUGH EVANS BERKHAMSTED HERTFORDSHIRE HP4 3DA GB ; DAVIES JOHN HUGH EVANS BERKHAMSTED... ; JOHN HUGH EVANS DAVIES ; JOHN HUGH EVANS DAVIES ; DAVIS JHON HUGH EVANCE

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BCF LLP

Designated states: AT AU BE CA CH DE DK ES FR GB GR HU IE IT JP KR LI LU MC NL PT SE US

Title: SECURE LOGIN PROTOCOL

Abstract: The present invention provides a **method** for generating a secret to be used in an **authentication** of a user before a server. Using a data association between two data sets, the association being created by the server, the user can provide a secret using an algorithm based on a pin number and a selection of a group of elements from one of the data sets, the selected group of data elements having counterpart group of elements from the other data set by virtue of the data association. The secret is transmitted to the server. The server performs a **similar** secret provision, and if the secret from the client is identical to the secret provided by the server, the user is authorized to access information on the server.

Classifications:

International (IPC 8-9): G06F21/20 G06F21/30 G06F21/34 G06F21/36

H04L9/32 (Advanced/Invention);

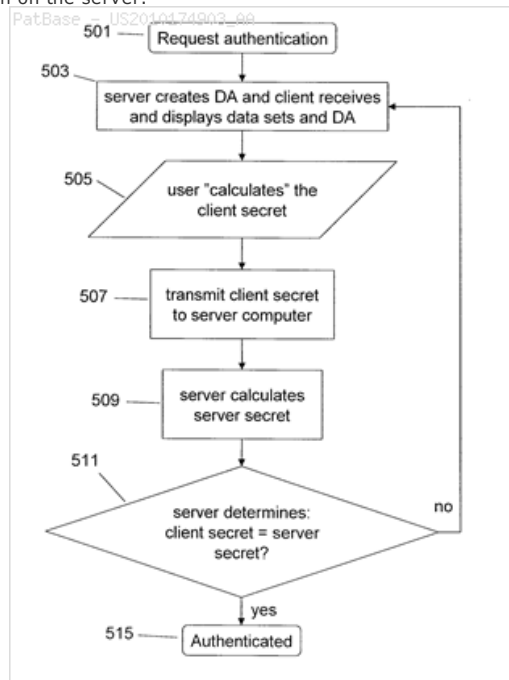
G06F21/00 H04L9/32 (Core/Invention)

International (IPC 1-7): G06F21/20

CPC: G06F21/34 G06F21/36 H04L63/0838

European: G06F21/34 G06F21/36 T04L63/08D1

US: 713/168 713/168P

**Family:**

Publication number	Publication date	Application number	Application date
AT485565 E	20101115	AT20080734567T	20080519
AU2008255382 AA	20081204	AU20080255382	20080519
AU2008255382 BB	20130418	AU20080255382	20080519
AU2013207609 AA	20130808	AU20130207609	20130718
BRPI0811643 A2	20141111	BR2008PI11643	20080519
CA2688242 AA	20091125	CA20082688242	20080519
CN101689236 A	20100331	CN200880017918	20080519
CN101689236 B	20120718	CN200880017918	20080519
CY1111944 T1	20151104	CY20111100051T	20110117
DE602008003120 D1	20101202	DE200860003120T	20080519
DK2150915 T3	20110124	DK20080734567T	20080519
EP2150915 A2	20100210	EP20080734567	20080519
EP2150915 B1	20101020	EP20080734567	20080519
ES2354932 T3	20110321	ES20080734567T	20080519
HR20100702 T1	20110131	HR20100000702	20101220
IN02147MN2009 A	20100604	IN2009MN02147	20091118
JP2010528382 T2	20100819	JP20100509678T	20080519
PT2150915 T	20110125	PT20080734567T	20080519
SI2150915 T1	20110228	SI20080030131T	20080519
US2010174903 AA	20100708	US20080601426	20080519
WO08145132 A2	20081204	WO2008DK50112	20080519
WO08145132 A3	20090122	WO2008DK50112	20080519

Priority:

DK20070000781 20070530 US20070940801P 20070530 AU20080255382 20080519
 WO2008DK50112 20080519 US20080601426 20080519 EP20080734567 20080519

Probable Assignee: PAMCI NETWORKS DENMARK APS

Assignee(s): (std): CHRISTOPHANI CLAUS AMBJOERN ; PAMCI NETWORKS DENMARK APS

Assignee(s): CHRISTOPHANI CLAUS AMBJORN

Inventor(s): (std): AMBJOERN CHRISTOPHANI CLAUS ; CHRISTOPHANI CLAUS AMBJOERN ; CHRISTOPHANI CLAUS AMBJORN ; CHRISTOPHANI CLAUS

Inventor(s): CLAUS AMBJOERN CHRISTOPHANI ; CLAUS AMBJORN CHRISTOPHANI ; CHRISTOPHANI CLAUS AMBJ RN

Agent(s): FB RICE; FB RICE PTY LTD; BENOIT AND COTE ASSOCIES INC; SOERENSEN PETER; FOLEY AND LARDNER LLP, SUITE 500; FOLEY AND LARDNER LLP SUITE 500; PLOUGMANN AND VINGTOFT A/S

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ

DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP
KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ
NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN
TR TT TZ UA UG US UZ VC VN ZA ZM ZW

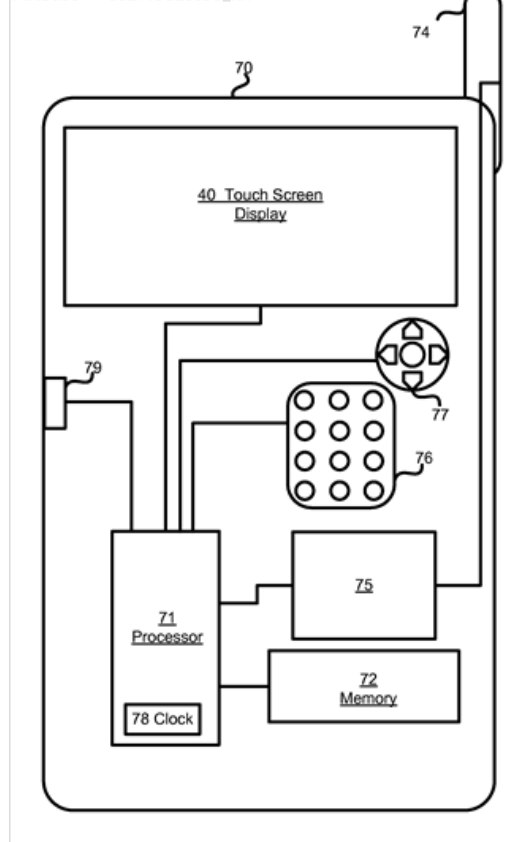
Title: **METHOD** AND SYSTEM FOR GRAPHICAL PASSCODE SECURITY

Abstract: A **method** and system for electronic access security uses touches and movements on a touch sensitive surface to determine graphical passcode that are used in a manner **similar** to passwords. Graphical passcodes comprise various combinations of swipes, taps or drags on a touchscreen surface as defined by a user. A user's selected graphical passcode is stored in memory for **comparison** to subsequent entries of graphical passcode in order to **authenticate** the users. An envelope may be generated to define a range of acceptable pressure, speed, coordinate positions or other parameters, as a function of time or position, required for passcode **authentication**. The envelope may be stored in a computer memory and is used to **authenticate** a user by determine whether an entered graphical passcode falls within the envelope.

Classifications:

International (IPC 8-9): G06F12/00 G06F12/14 G06F13/00 G06F21/20 G06F21/31 G06F21/32 G06F21/36 G06F3/033 G06F3/041 G06F3/0488 G06F7/04 H04L9/32 (Advanced/Invention); G06F21/20 (Advanced/Non-invention); G06F21/00 G06F3/033 G06F3/041 G06F7/02 (Core/Invention)
CPC: H04W12/06 H04W88/02 G06F21/36
European: G06F21/32 G06F21/36
US: 345/173 345/173S 715/863 715/863S 726/21 726/21P

PatBase - US2009313693_AA



Family:

Publication number	Publication date	Application number	Application date
CN102067150 A	20110518	CN200980123427	20090609
CN102067150 B	20150624	CN200980123427	20090609
EP2291786 A1	20110309	EP20090789774	20090609
JP2011524592 T2	20110901	JP20110514688T	20090609
JP2013239184 A2	20131128	JP20130127154	20130618
JP5788435 B2	20150930	JP20130127154	20130618
KR101471236 B1	20141209	KR20117001133	20090609
KR20110031328 A	20110325	KR20117001133	20090609
US2009313693 AA	20091217	US20080139692	20080616
US8683582 BB	20140325	US20080139692	20080616
WO10005662 A1	20100114	WO2009US46676	20090609

Priority:

US20080139692 20080616 JP20110514688 20090609 JP20110514688T 20090609
WO2009US46676 20090609

Probable Assignee: QUALCOMM INC

Assignee(s): (std): QUALCOMM INC ; ROGERS SEAN SCOTT

Inventor(s): (std): ROGERS SEAN SCOTT ; SCOTT ROGERS SEAN ; SEAN SCOTT ROGERS

Agent(s): CATESBY OLIVIA JOANNE; QUALCOMM INC; JAMES T; HAGLER JAMES T

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: APPARATUS AND **METHOD** FOR INPUTTING GRAPHICAL PASSWORD USING WHEEL INTERFACE IN EMBEDDED SYSTEM

Abstract: Provided are an apparatus and **method** for inputting a graphical password that use representative pictures and elemental pictures of a graphic to form a graphical password and that receive the graphic via a wheel interface and a select button for user **authentication**. The apparatus includes: an input unit having a wheel interface and a select button; a **display** for **displaying** a graphic consisting of representative pictures and elemental pictures, and **displaying** a changed graphic in response to an input from the wheel interface; a memory for storing a graphical password of a user; and a controller for recognizing, when the select button is pressed, the graphic **displayed** on the **display** as a user-input graphical password, and determining whether the input graphical password matches the stored graphical password for user **authentication**. Thus, it is possible to increase the number of cases for a password using a wheel interface for a higher security level of an embedded system that has a low security level due to a limited type and length of letters input as a password.

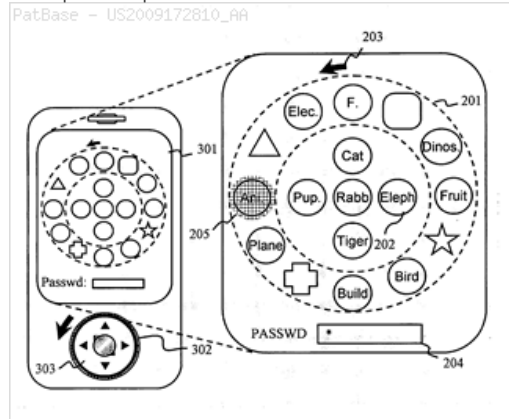
Classifications:

International (IPC 8-9): G06F12/00 G06F3/041 G06F3/048 G06F7/04 H04L9/32 (Advanced/Invention);
G06F3/041 G06F3/048 (Advanced/Non-invention);
G06F12/00 G06F3/041 G06F3/048 G06F7/02 H04L9/32 (Core/Invention)

CPC: G06F21/36

European: G06F21/36

US: 345/173 345/661 713/182 713/185 713/186 726/19 726/19P



Family:

Publication number	Publication date	Application number	Application date
KR100933679 B1	20091223	KR20070140093	20071228
KR20090072096 A	20090702	KR20070140093	20071228
US2009172810 AA	20090702	US20080009243	20080117
US7992202 BB	20110802	US20080009243	20080117

Priority:

KR20070140093 20071228

Probable Assignee: SUNGKYUNKWAN UNIV FOUNDATION FOR CORPORATE COLLABORATION

Assignee(s): (std): RESEARCH AND BUSINESS FOUNDATION SUNGKYUNKWAN UNIV ; UNIV SUNGKYUNKWAN FOUND

Assignee(s): SUNGKYUNKWAN UNIVERSITY FOUNDATION FOR CORPORATE COLLABORATION ; SUNGKYUNKWAN UNIV ; SUNGKYUNKWAN UNIV FOUNDATION FOR CORPORATE COLLABO ; SUNGKYUNKWAN UNIV FOUNDATION FOR CORPORATE COLLABORATION

Inventor(s): (std): KIM SEUNG JOO ; PARK SANG JOO ; WON DONG HO ; WON DONGHO ; PARK SANGJOO ; KIM SEUNGJOO

Agent(s): BALLARD SPAHR ANDREWS AND INGERSOLL LLP; BALLARD SPAHR LLP

Title: IMAGE-BASED CODE

Abstract: A computer-readable medium may include one or more instructions for providing sub-images, one or more instructions for receiving selection of a plurality of sub-images, one or more instructions for constructing a first image, the first image being a unified image including the selected plurality of sub-images, one or more instructions for **comparing** at the selected plurality of sub-images with previously selected sub-images, and one or more instructions for providing access to at least one of a device, a service, or a function when the selected plurality of sub-images match the previously selected sub-images.

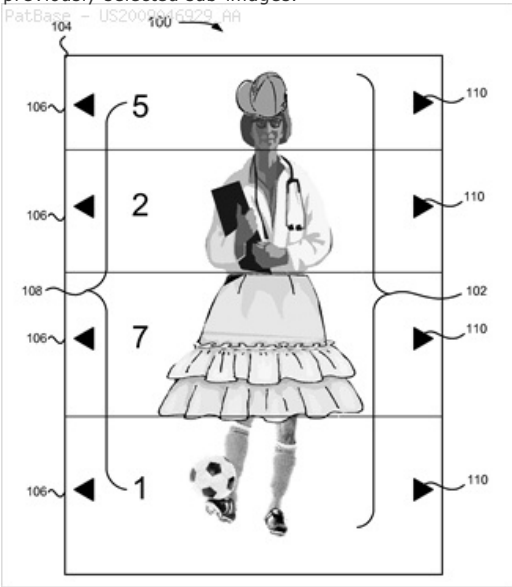
Classifications:

International (IPC 8-9): G06F15/00 G06F21/20 G06K9/34 G06K9/62 G06K9/68 (Advanced/Invention); G06F15/00 G06F21/00 G06K9/34 G06K9/62 (Core/Invention)

CPC: G06F21/36

European: G06F21/36

US: 382/173 382/173P 382/209 382/209S 382/218 382/218P 712/29 712/29S



Family:

Publication number	Publication date	Application number	Application date
CN101772772 A	20100707	CN200880102107	20080211
EP2179380 A1	20100428	EP20080709994	20080211
US2009046929 AA	20090219	US20070837568	20070813
US2011096997 AA	20110428	US20080669008	20080211
US8090201 BB	20120103	US20070837568	20070813
WO09022242 A1	20090219	WO2008IB50491	20080211

Priority:

US20070837568 20070813 US20080669008 20080211 WO2008IB50491 20080211

Probable Assignee: SONY ERICSSON MOBILE COMMUNICATIONS AB

Assignee(s): (std): DE LEON DAVID ; MARCISZKO TOBIAS ; SONY ERICSSON MOBILE COMM AB ; SONY ERICSSON MOBILE COMMUNICATION AB

Assignee(s): SONY ERICSSON MOBILE COMMUNICATIONS AB

Inventor(s): (std): DE LEON DAVID ; MARCISZKO TOBIAS ; TOBIAS MARCISZKO ; DAVID DE LEON

Agent(s): VALEA AB; HARRITY AND HARRITY LLP; SREENIVAS; MOORE AND VAN ALLEN PLLC; SUMY DAVID ET AL

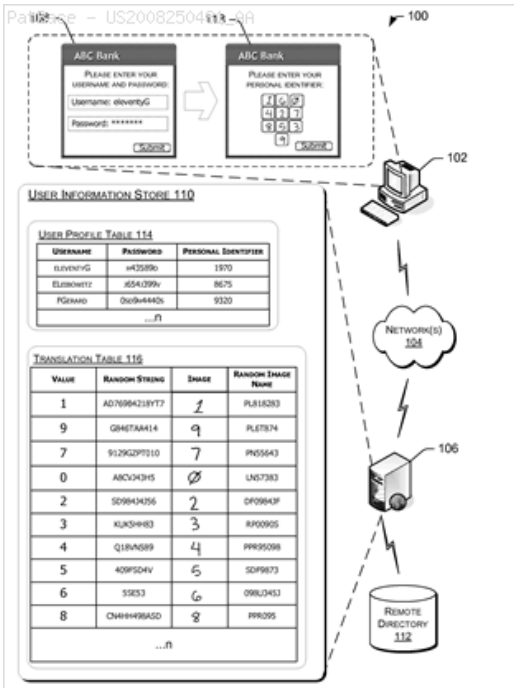
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SECURE WEB-BASED USER AUTHENTICATION

Abstract: Techniques for authenticating a user are described. In one implementation, a user requests access to protected information or resources by providing a user name and a password to a web server that controls access to the information or resources. If the user name and password match a known user profile, the web server retrieves a user identifier (e.g., a personal identification number) and constructs a translation table around the user identifier. The translation table includes the values that constitute the user identifier, random representations of each value, visual images that represent each value, and random image names for each visual image. The information in the translation table is then used to generate a user interface that allows the user to enter his or her user identifier via the user's computing device without exposing the actual user identifier values to the computing device.

Classifications:

International (IPC 8-9): H04L9/00 (Advanced/Invention);
H04L9/00 (Core/Invention)
CPC: H04L9/3226 H04L2209/56 H04L63/083
European: H04L29/06S8D H04L63/08D H04L9/32
US: 726/6 726/6P



Family:

Publication number	Publication date	Application number	Application date
US2008250481 AA	20081009	US20070696907	20070405
US7941834 BB	20110510	US20070696907	20070405

Priority:

US20070696907 20070405

Probable Assignee: MICROSOFT TECHNOLOGY LICENSING LLC
Assignee(s): (std): MICROSOFT CORP
Assignee(s): MICROSOFT TECHNOLOGY LICENSING LLC
Inventor(s): (std): BECK ROBERT L ; FULLERTON BENJAMIN
Agent(s): LEE AND HAYES PLLC

Title: Secure data entry and visual authentication system and method

Abstract: The present invention is a secure data entry and visual authentication system that allows a user to securely input and communicate data, including passwords. The system includes a client subsystem (100), a server subsystem (200) and a communication subsystem (300). Server subsystem (200) generates a pseudorandomly arranged display image (250) including a plurality of icons associated with data, and transmits said display image to client subsystem (100) for display on a display device (104). A user consecutively selects at least one said icons corresponding to data desired to be input. Selected icon location information for those selected icons is communicated by client subsystem (100) to server subsystem (200), which then compares that selected icon location information to icon location information and associated data stored in memory (210) to ascertain the data input by the user.

Classifications:

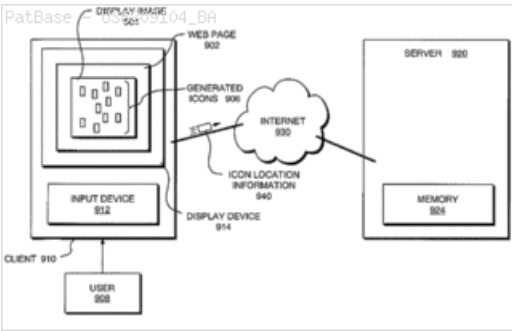
International (IPC 8-9): G06F21/00 (Advanced/Invention)

International (IPC 1-7): H04L9/00

CPC: G06F21/36 G06Q20/40

European: G06F1/00N1V1 G06F1/00N5A2 G06F21/36 G06Q20/40

US: 340/5.8 705/44 713/202 726/18



Family:

Publication number	Publication date	Application number	Application date
US6209104 BA	20010327	US19970980748	19971201

Priority:

US19960033126P 19961210 US19970980748 19971201

Probable Assignee: ACCULLINK INC

Assignee(s): ACCULLINK INC ; ACCULLINK LLC ; BANK OF NEW YORK AGENT SECURED PARTY AS ; BANK OF NEW YORK AS AGENT AS SECURED PARTY ; BANK OF NEW YORK AS COLLATERAL AGENT ; JALILI REZA ; SOLIDUS NETWORKS INC ; SILICON VALLEY BANK ; BANK OF NEW YORK COLLATERAL AGENT AS ; SOLIDUS NETWORKS INC D B A PAY BY TOUCH

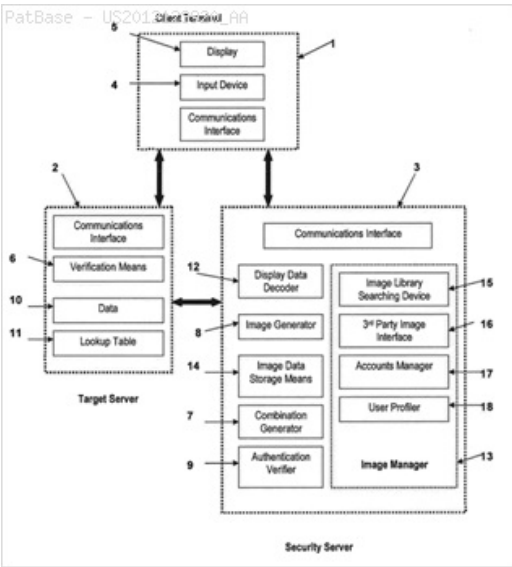
Inventor(s): (std): JALILI REZA

Title: USER AUTHENTICATION SYSTEM AND METHOD THEREOF

Abstract: An authentication system for use in a secure communication system having a verification means (6) for verifying the identity of a user attempting to access a database server (2). In order to complete authentication, the user is required to enter personal authentication data (PAD) into a client terminal (1). The PAD consists of a series of images and the client terminal (1) displays a login screen including a group of user selectable keys each associated with a respective image. At least one of the images associated with a user selectable key is an advertising image and the authentication system is adapted to generate revenue through the use of the advertising image in the login screen.

Classifications:

International (IPC 8-9): G06F21/20 G06F21/36
G06Q30/04 (Advanced/Invention)
CPC: G06Q30/02 G06F21/36
European: G06F21/36 G06Q30/04
US: 705/34 705/34P 726/7 726/7S



Family:

Publication number	Publication date	Application number	Application date
GB201018970 A0	20101222	GB20100018970	20101110
US2012123920 AA	20120517	US20110292624	20111109

Priority:

GB20100018970 20101110

Probable Assignee: TRICERION LTD
Assignee(s): (std): FRASER NORMAN M ; MORRIS STUART ; TRICERION LTD
Inventor(s): (std): FRASER NORMAN M ; MORRIS STUART

Title: MOUSE PERFORMANCE IDENTIFICATION

Abstract: **Methods** and system for facilitating **authentication** of users of a mouse device. Different individuals have different ways of manipulating a mouse to enter mouse-clicks requested via an on-**screen** image or other software programs. An individual's characteristic way of manipulating the mouse is determined and stored and later retrieved to facilitate verification of a user's identification.

Classifications:

International (IPC 8-9): G06F1/00 G06F21/00 G06F21/20 G06F3/033 G06F3/038 G06F3/048 G06K9/00 G06Q10/00 H04L9/00

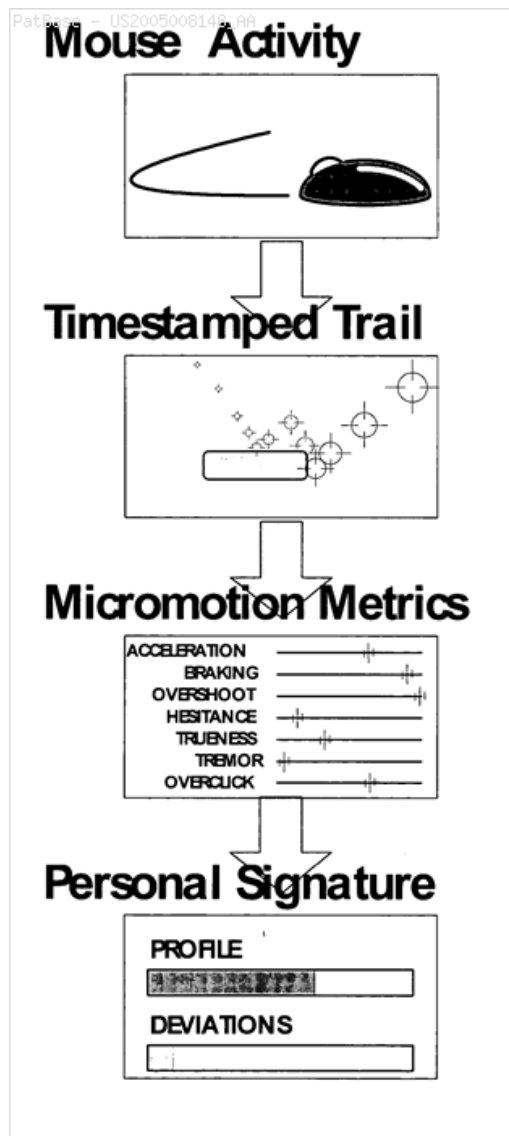
H04L9/32 (Advanced/Invention);
H04L (Subclass/Invention)

International (IPC 1-7): G06F17/60 G06F27/00 H04L9/00

CPC: G06F3/038 G06F3/0481 G06F21/316 G06F21/32 G06F21/36 G06K9/00335 G06Q10/10 G06Q20/40 G06Q20/4014

European: G06F21/31B G06F21/32 G06F21/36 G06F3/033A1 G06F3/033D G06F3/038 G06F3/0481 G06K9/00G G06Q10/10 G06Q20/40 G06Q20/4014

US: 380/232 380/232S 380/26 380/26P 705/44 705/44S 713/168 713/168S 713/200 726/26 726/26S



Family:

Publication number	Publication date	Application number	Application date
CA2561812 AA	20060929	CA20052561812	20050331
CN1957355 A	20070502	CN200580016453	20050331
EP1735942 A2	20061227	EP20050730824	20050331
EP1735942 A4	20081008	EP20050730824	20050331
IL178375 A0	20090211	IL20050178375	20050331
IN06354DN2006 A	20070831	IN2006DN06354	20061030
JP2007531942 T2	20071108	JP20070506578T	20050331
US2005008148 AA	20050113	US20040816123	20040401
WO05099166 A2	20051020	WO2005US10963	20050331
WO05099166 A3	20060504	WO2005US10963	20050331
WO05099166 B1	20060615	WO2005US10963	20050331

Priority:

US20030459858P 20030402 US20040816123 20040401 WO2005US10963 20050331

Probable Assignee: JACOBSON DOV

Assignee(s): (std): DOV JACOBSON ; JACOBSON DOV

Inventor(s): (std): DOV JACOBSON ; JACOBSON DOV

Agent(s): BORDEN LADNER GERVAIS LLP; DOV JACOBSON

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK
DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KZ LC
LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC
SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: IMAGE STORAGE SYSTEM, DEVICE AND **METHOD**

Abstract: An image sharing system, an image sharing device and a **method** for operating a plurality of image sharing devices are provided. Each image sharing device has a memory with image content files stored therein and a communication system to provide an image sharing system. The **method** comprises the steps of: identifying image sharing devices to be included in the image sharing system; establishing a communication link between the identified image sharing devices, said communication link providing the ability to transfer image content files; identifying sharable image content files in each of the image sharing devices; and determining manifest data useable in copying the sharable image content files from one of the image sharing devices to at least one other of the image sharing devices so that each of the shareable image content file is stored in at least two of the image sharing devices in the image sharing system.

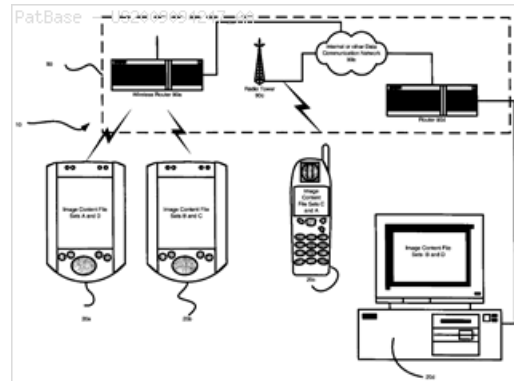
Classifications:**International (IPC 8-9):** G06F12/00 G06F13/10 G06F17/30 G06F3/06

G06T1/00 H04N1/00 (Advanced/Invention);

G06F17/30 H04N1/00 (Core/Invention)

CPC: H04N1/00153 H04N1/00204 H04N1/00307 H04N1/2166 H04N1/2183 H04N1/2187 H04N1/2191 H04N2201/001 H04N2201/0039**European:** H04N1/00C2E2S H04N1/00C3 H04N1/00C7D H04N1/21C H04N1/21C3Q H04N1/21C3R H04N1/21C3S T04N201/00C11N1 T04N201/00C8**US:** 1/1 1/1P 707/10 707/634 707/999.01 707/999.010S 707/E17.001

707/E17.001S

**Family:**

Publication number	Publication date	Application number	Application date
EP2193464 A1	20100609	EP20080836646	20081001
JP2010541098 T2	20101224	JP20100527976T	20081001
JP5286466 B2	20130911	JP20100527976T	20081001
US2009094247 AA	20090409	US20070866615	20071003
US8150807 BB	20120403	US20070866615	20071003
WO09045441 A1	20090409	WO2008US11368	20081001

Priority:

US20070866615 20071003 WO2008US11368 20081001

Probable Assignee: APPLE INC**Assignee(s):** (std): FREDLUND JOHN RANDALL ; FREDLUND JOHN R ; VENTURINO MICHAEL ; MACKSON RICHARD GREGG ; MACKSON RICHARD G ; EASTMAN KODAK CO**Assignee(s):** EASTMAN KODAK COMPANY ; LASER PACIFIC MEDIA CORP ; NPEC INC ; PAKON INC ; QUALEX INC ; APPLE INC ; CITICORP NORTH AMERICA INC AGENT AS ; CREO MFG AMERICA LLC ; EASTMAN KODAK INT CAPITAL CO INC ; FAR EAST DEVELOPMENT LTD ; FPC INC ; KODAK AMERICAS LTD ; KODAK AVIATION LEASING LLC ; KODAK IMAGING NETWORK INC ; KODAK NEAR EAST INC ; KODAK PHILIPPINES LTD ; KODAK PORTUGUESA LTD ; KODAK REALTY INC**Inventor(s):** (std): FREDLUND JOHN R ; FREDLUND JOHN RANDALL ; VENTURINO MICHAEL ; MACKSON RICHARD GREGG ; MACKSON RICHARD G**Agent(s):** WEBER ETIENNE NICOLAS ; KUMAKURA YOSHIO ; OHTSUKA FUMIAKI ; NISHIJIMA TAKAKI ; UESUGI HIROSHI ; KOSHISHIBA ERI ; DAVID A NOVAIS PATENT LEGAL STAFF ; ROLAND R ; RAYMOND L ; EASTMAN KODAK COMPANY**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: PASSWORD INPUT **METHOD** BASED ON TOUCH **SCREEN**

Abstract: Disclosed is a password input **method** based on a touch **screen**, including the steps of **displaying** at least one background scene, generating trace data from a user's touch on the touch **screen** while the background scene is being **displayed**, **comparing** the trace data to password trace data preliminarily stored, and successfully terminating a password admission process if the trace data is identical to the password trace data. In entering a password by a user, even without preparing an additional input unit such as a keypad or keyboard and other **similar** fixed pictures (by software), this **method** enables a user to freely select and set a background scene in various types as well as variously forming a touch operation with his own password for admission, providing both security and input convenience of password keys.

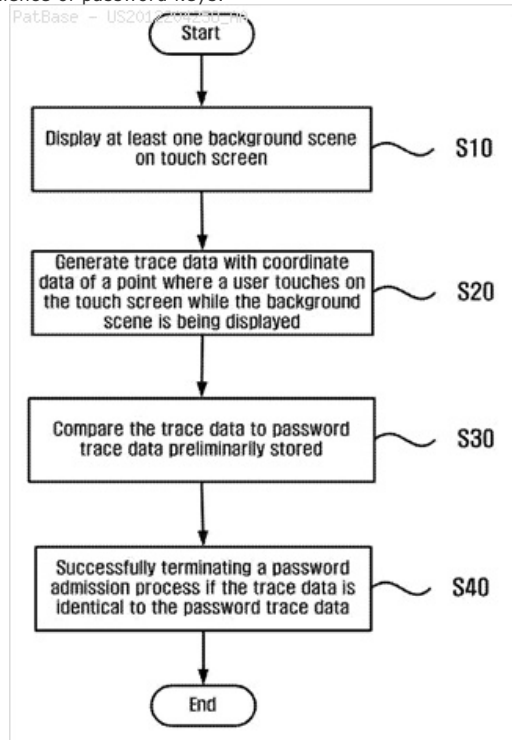
Classifications:

International (IPC 8-9): G06F21/00 G06F21/04 G06F21/24 G06F21/31 G06F21/36 G06F3/041 G06F7/04 (Advanced/Invention)

CPC: G06F21/36 G06F21/31 G06F2221/2101 G06F3/041 G06F3/0488 G06F21/83

European: G06F21/31 G06F21/36 S06F221/2101

US: 726/19 726/19P



Family:

Publication number	Publication date	Application number	Application date
KR101142796 B1	20120508	KR20100064265	20100705
KR20110044131 A	20110428	KR20100064265	20100705
US2012204258 AA	20120809	US20120451603	20120420
WO11049292 A2	20110428	WO2010KR05802	20100827
WO11049292 A3	20110630	WO2010KR05802	20100827

Priority:

KR20090100661 20091022 KR20100064265 20100705 WO2010KR05802 20100827

Probable Assignee: UNUNI CORP

Assignee(s): (std): LEE BYOUNG CHEOL ; LEE BYOUNGCHEOL ; SFTCREAM

Assignee(s): UNUNI CORP ; INUNI CORP

Inventor(s): (std): LEE BYOUNGCHEOL

Agent(s): SONG JINYOUNG

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: APPARATUS AND **METHOD** FOR TRAJECTORY-BASED IDENTIFICATION OF DIGITAL DATA CONTENT

Abstract: A computer readable storage medium includes executable instructions to receive an input trajectory of serially selected points of interest within a source digital image. Trajectory mismatch errors are computed between the input trajectory and trajectories within target digital image data. The best target digital image data is selected based upon the trajectory mismatch errors to establish refined target digital image data.

Classifications:

International (IPC 8-9): G06K9/00 G06K9/54 (Advanced/Invention);

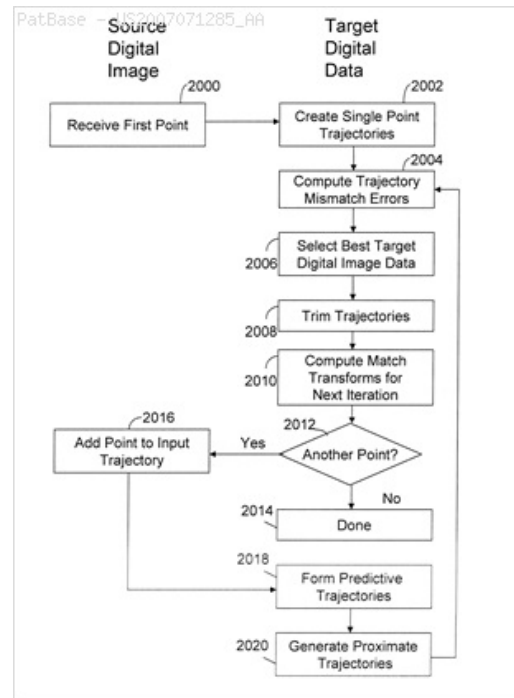
H04N5/225 (Advanced/Non-invention);

G06K9/00 (Core/Invention)

CPC: G06K9/6211

European: G06K9/62A1A3

US: 348/169 382/103 382/103P



Family:

Publication number	Publication date	Application number	Application date
US2007071285 AA	20070329	US20060535472	20060926
US7489804 BB	20090210	US20060535472	20060926
WO07038642 A2	20070405	WO2006US37765	20060926
WO07038642 A3	20080925	WO2006US37765	20060926

Priority:

US20050720240P 20050926 US20060535472 20060926

Probable Assignee: KONTSEVICH LEONID

Assignee(s): (std): COGNISIGN LLC ; KONTSEVICH LEONID DR

Assignee(s): KONTSEVICH LEONID

Inventor(s): (std): KONTSEVICH LEONID ; KONTSEVICH LEONID DR

Agent(s): COOLEY GODWARD KRONISH LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SYSTEM AND METHOD FOR AUTHENTICATING USERS USING IMAGE SELECTION

Abstract: A general-purpose method is provided for authenticating, i.e., verifying the claimed identity of, users of a computer system through the selection of a sequence of images from a displayed assembly of images. The method is based on the capability of computer systems to display and manipulate individual thumbnail images via a graphical user display interface. The method takes image sequences selected by a user and formulates a password that is dependent on both the sequence and style of their selection. To ease the users' burden of complying with organizational policy to change passwords after some period of time, the method allows the same image sequence to be used repeatedly in a password change dialogue, yet generate a completely different password value each time. A new method of "salting" passwords to make them less vulnerable is also provided.

Classifications:

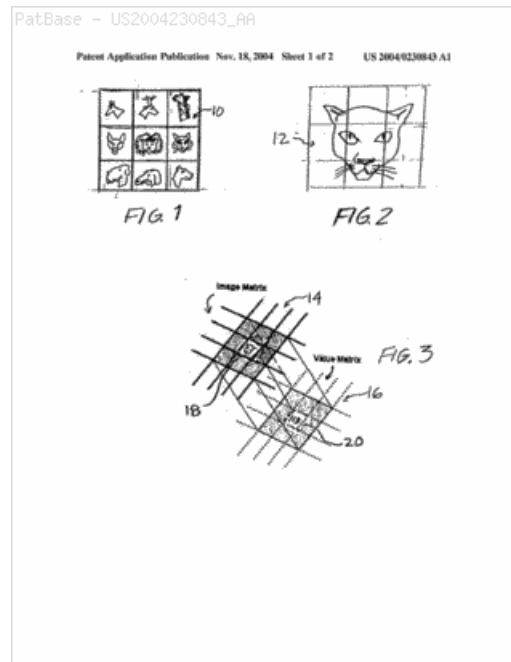
International (IPC 8-9): G06F21/00 H04L9/32 (Advanced/Invention);
G06F21/00 H04L9/32 (Core/Invention)

International (IPC 1-7): H04L9/32

CPC: G06F2221/2101 G06F2221/2143 G06F21/36

European: G06F21/36

US: 713/184 713/184S 713/202 726/7 726/7P



Family:

Publication number	Publication date	Application number	Application date
US2004230843 AA	20041118	US20040886417	20040708

Priority:

US20030496573P 20030820 US20040886417 20040708

Probable Assignee: JANSEN WAYNE

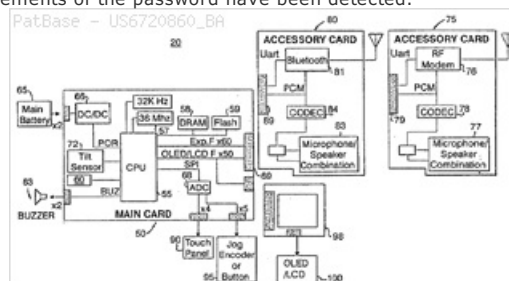
Assignee(s): JANSEN WAYNE

Inventor(s): (std): JANSEN WAYNE

Abstract: A wearable mobile computing device/appliance (e.g., a wrist watch) with a high resolution **display** that is capable of wirelessly accessing information from the network and a variety of other devices. The Wrist Watch device/appliance includes a password **authentication** system for enabling access to secured data stored therein. The **authentication** system includes a user interface **display** having a touch sensitive panel for detecting physical user interaction therewith and generating signals accordingly. The Wrist Watch device/appliance generates a sequence of one or more images for **display** via the user interface, the images of a sequence including that users' password elements which are flashed randomly at different interface **display** locations and varied temporally. A processor device receives signals generated in accordance with user interaction with the touch sensitive panel at locations corresponding to the locations of a flashed image of the sequence that matches each element of the user password in order to provide verification of the password when all elements of the password have been detected.

International (IPC 8-9): G05B19/00 G06F15/00 G06F21/00 G06F7/00
G08C19/00 H04L9/00 H04Q7/00 (Advanced/Invention);
G06F15/00 (Advanced/Non-invention);
G05B19/00 G06F15/00 G06F21/00 G06F7/00 G08C19/00 H04L9/00
H04Q7/00 (Core/Invention)

US: 340/5.54 340/5.55 340/5.74 340/5.85 715/741 726/7



Publication number	Publication date	Application number	Application date
KR100431769 B1	20040517	KR20010035993	20010623
KR20020002231 A	20020109	KR20010035993	20010623
TW515188 B	20021221	TW20010115464	20010626
US6720860 BA	20040413	US20000608110	20000630

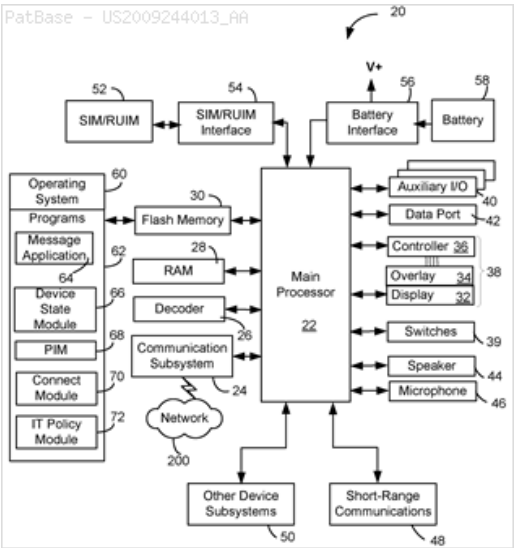
US20000608110 20000630

Inventor(s): (std): NARAYANASWAMI CHANDRASEKHAR

Title: ELECTRONIC DEVICE AND TACTILE TOUCH **SCREEN DISPLAY**

Abstract: An electronic device includes a housing with a back and a frame. A support tray is spaced from the back and includes a tray base, and a lip connected to and spaced from the tray base. The support tray supports a **display** device and touch-sensitive overlay disposed on the **display** device. A plurality of pads on an exterior of the support tray include pads between the tray base and the back and pads between the lip and the frame. Operational components are housed in the housing and include a touch **screen** controller connected to the touch-sensitive overlay and a processor connected to the **display** device and the touch-**screen** controller.

Classifications:
International (IPC 8-9): G06F3/041 (Advanced/Invention);
G06F3/041 (Core/Invention)
CPC: G06F3/041
European: G06F3/041
US: 345/173 345/173P



Family:

Publication number	Publication date	Application number	Application date
US2009244013 AA	20091001	US20080056848	20080327

Priority:

US20080056848 20080327

Probable Assignee: RESEARCH IN MOTION LTD

Assignee(s): (std): RESEARCH IN MOTION LTD

Assignee(s): RESEARCH IN MOTION LIMITED

Inventor(s): (std): ELDERSHAW MICHAEL KEITH

Agent(s): RESEARCH IN MOTION,ATTN: GLENDA WOLFE; RESEARCH IN MOTION ATTN GLENDA WOLFE

Title: AN ARRANGEMENT AND **METHOD** OF GRAPHICAL PASSWORD **AUTHENTICATION**

Abstract: A graphical password **authentication** arrangement and **method display** a grid on a **display** upon a user's request to access a restricted resource. The graphical password **authentication** arrangement requires the user to enter his or her access password by selecting one or more intersections on the grid on the **display** with an input device. A processing means determines whether to grant the user to access the restricted resource by **comparing** the access password entered with a corresponding file password for the user, which is stored in a storage means.

Classifications:

International (IPC 8-9): G06F12/14 G06F21/00 G06F21/36

G06F3/02 (Advanced/Invention);

G06F3/01 (Advanced/Non-invention);

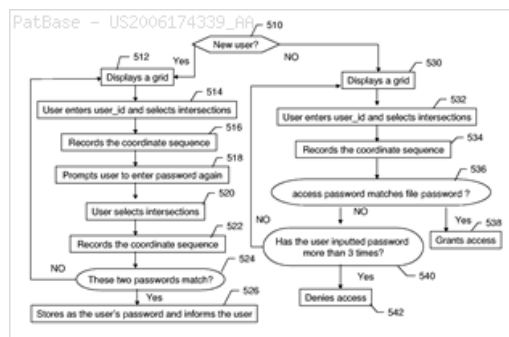
G06F12/14 G06F21/00 G06F3/02 (Core/Invention)

International (IPC 1-7): G06F12/14 G06F3/02

CPC: G06F21/36

European: G06F21/36

US: 726/18 726/18P



Family:

Publication number	Publication date	Application number	Application date
CA2495445 AA	20050713	CA20052495445	20050129
US2006174339 AA	20060803	US20050163115	20051005

Priority:

CA20052495445 20050129

Probable Assignee:

TAO HAI

Assignee(s): (std):

TAO HAI

Inventor(s): (std):

TAO HAI

Agent(s):

NA; HAI TAO

Title: **METHOD** AND APPARATUS FOR READING DIGITAL WATERMARKS WITH A HAND-HELD READER DEVICE

Abstract: A **method** and apparatus is disclosed for use with an object bearing a digitally watermarked image. The **method** includes operating a device, such as a hand-held device, to generate digital data representing the digitally watermarked image and to process the digital data to extract information encoded within the digitally watermarked image. The **method** further includes transmitting the extracted information through at least one of a wired or a wireless communication link towards a data processor located external to the hand-held device; receiving the extracted information at the data processor and operating the data processor to take some action based on the received information. The data processor receives the extracted information through a data communications network which may include or be coupled to the Internet. The extracted information may be expressive of a data communications network address, such as a WWW address, through which the data processor can be reached. The action taken by the data processor can include using the extracted information to access a database, and/or using the extracted information to verify an identity of the object, and/or using the extracted information to verify an identity of a person who is associated with the object, and/or using the extracted information to obtain information that is associated with a person who is associated with the object, and/or using the extracted information to verify an authenticity of the object. The action can also include transmitting information from the data processor for reception by the hand-held device, and for possible **display** by the hand-held device. One or more taggants can be used in the substrate that bears the digitally watermarked image for encoding additional information.

Classifications:

International (IPC 8-9): G06F17/30 G06T1/00

H04N1/00 (Advanced/Invention);

H04N1/32 (Advanced/Non-invention);

G06F17/30 G06T1/00 H04N1/00 (Core/Invention);

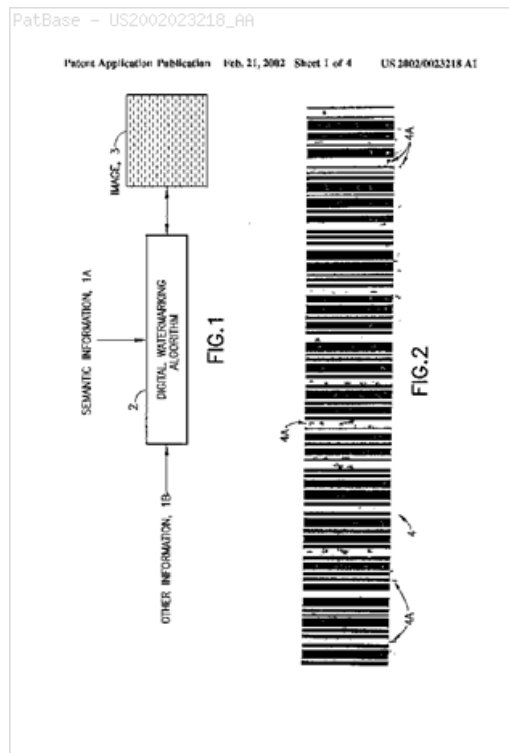
H04N1/32 (Core/Non-invention)

International (IPC 1-7): B65D85/00 G06F17/21 H04L9/00 H04M1/00

CPC: G06F17/30876 G06T1/0021 H04N1/00204

European: G06F17/30W5 G06T1/00W H04N1/00C3

US: 235/380 235/462.01 382/100 707/501.1 707/E17.112 709/204 713/176 715/209 715/210



Family:

Publication number	Publication date	Application number	Application date
AU2001286484 AA	20020225	AU20010286484	20010815
EP1323257 A1	20030702	EP20010965934	20010815
US2002023218 AA	20020221	US20010929399	20010814
US6948068 BB	20050920	US20010929399	20010814
WO0215465 A1	20020221	WO2001US25514	20010815

Priority:

US20000225429P 20000815 US20010929399 20010814 WO2001US25514 20010815

Probable Assignee: SPECTRA SYSTEMS CORP

Assignee(s): (std): LAWANDY NABIL M ; MOON JOHN A ; SPECTRA SYSTEMS CORP

Inventor(s): (std): LAWANDY NABIL M ; MOON JOHN A

Inventor(s): NABIL M LAWANDY ; JOHN A MOON

Agent(s): HARRINGTON AND SMITH LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Title: MOBILE MEDICAL DEVICE IMAGE AND SERIES NAVIGATION

Abstract: Certain embodiments of the present invention provide systems and **methods** for mobile access to clinical information. Certain embodiments provide a mobile medical computing device system. The system includes a mobile medical computing device providing for **display** of, interaction with, and manipulation of medical images and patient data, the mobile medical computing device in communication with a clinical information system to exchange clinical content related to the medical images and patient data.

Classifications:

International (IPC 8-9): G06F17/00 G06F17/30 G06F3/041 G06F3/048

G06Q10/00 G06Q50/00 H04L9/32 (Advanced/Invention);

G06F17/00 G06F17/30 G06F3/041 G06F3/048 G06Q50/00

H04L9/32 (Core/Invention)

CPC: H04L2209/80 G06Q50/22 G06F19/321 G06Q50/24 H04L9/3226

H04L2209/88 H04L63/083 H04W12/06 H04L67/025 H04L67/18 G16H40/63

G06F19/00

European: G06F19/32A G06F19/34A G06Q50/22 G06Q50/24

US: 345/173 345/173S 705/2 705/3 705/3P 707/E17.016 707/E17.016S

707/E17.032 707/E17.032S 707/E17.044 707/E17.044S 715/211 715/211S 715/230 715/230S 715/255 715/255S 715/702

715/702S 715/738 715/738S 715/751 715/751S 726/5 726/5S



Family:

Publication number	Publication date	Application number	Application date
US2010131294 AA	20100527	US20080324627	20081126
US8543415 BB	20130924	US20080324627	20081126

Priority:

US20080324627 20081126

Probable Assignee: GENERAL ELECTRIC CO

Assignee(s): (std): GEN ELECTRIC ; GILL SUKHDEEP ; JANICKI CHRISTOPHER ; VENON MEDHI

Assignee(s): GENERAL ELECTRIC CO ; GENERAL ELECTRIC CO A NEW YORK CORP

Inventor(s): (std): GILL SUKHDEEP ; JANICKI CHRISTOPHER ; VENON MEDHI

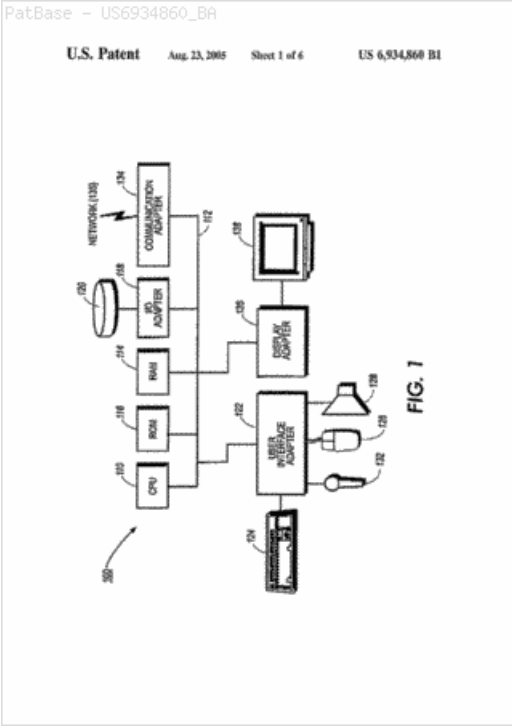
Agent(s): HANLEY FLIGHT AND ZIMMERMAN LLC

Title: SYSTEM, **METHOD** AND ARTICLE OF MANUFACTURE FOR KNOWLEDGE-BASED PASSWORD PROTECTION OF COMPUTERS AND OTHER SYSTEMS

Abstract: A system, **method** and article of manufacture are provided for password protecting user access to a computer system. One or more images are **displayed** to a user. The user is then required to perform a sequence of actions involving the images. The performed sequence of actions is **compared** with a predefined sequence of actions. If the performed sequence of actions matches the predefined sequence of actions, user access is permitted.

Classifications:

International (IPC 8-9): G06F21/00 H04L9/32 (Advanced/Invention);
G06F21/00 H04L9/32 (Core/Invention)
International (IPC 1-7): G06F11/30 G06F12/14 H04L9/00
CPC: G06F21/36 H04L9/3226 H04L9/3271
European: G06F21/36 H04L9/32B H04L9/32J H04L9/32R
US: 713/183 713/202



Family:

Publication number	Publication date	Application number	Application date
US6934860 BA	20050823	US20000566860	20000508

Priority:

US20000566860 20000508

Probable Assignee: XEROX CORP

Assignee(s): (std): XEROX CORP

Assignee(s): BANK ONE NA ADMINISTRATIVE AGENT AS ; BANK ONE NA AS ADMINISTRATIVE AGENT ; JPMORGAN CHASE BANK AS COLLATERAL AGENT ; JPMORGAN CHASE BANK COLLATERAL AGENT AS

Inventor(s): (std): GOLDSTEIN RICHARD J

Title: RANDOM VISUAL PATTERNS USED TO OBTAIN SECURED ACCESS

Abstract: To improve authenticity of persons accessing secured locations, information, services, and/or goods, random pictures (images) and/or portions of picture are placed on a document (hard copy-e.g. a check-or computer generated). The person requiring access selects a set of one or more of the images/pictures, e.g. by crossing them out. Often the selected images/picture with be familiar to the user. The document is **screened**, e.g. by a special access server over a network, to check on whether the subset was correct, i.e., matches a subset of images previously stored and associated with the accessor. This can be combined with printed explicit textual questions related to an owner personal database and several possible answers for each question. For further security, biometrics, e.g. from user handwritten answer prompts, can be added. **Similar** security provision with random visual images can be used when users interact with computers to get access to some services (without providing hard copy documents).

Classifications:

International (IPC 8-9): G06F21/00 G07C9/00

G07F7/12 (Advanced/Invention);

G06F1/00 (Advanced/Non-invention)

International (IPC 1-7): G06F11/30 G06F12/14 H04L9/00 H04L9/32

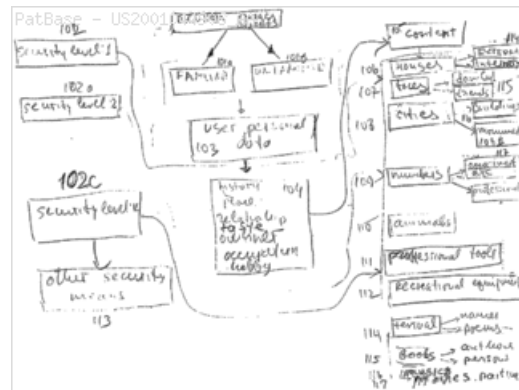
CPC: G06F21/32 G06F21/36 G07C9/00142 G07F7/08 G07F7/12

G07F7/122

European: G06F1/00N5A2B G06F21/32 G06F21/36 G07C9/00C2B

G07F7/08 G07F7/12 G07F7/12A

US: 713/202 726/19 726/19P



Family:

Publication number	Publication date	Application number	Application date
US2001044906 AA	20011122	US19980063805	19980421

Priority:

US19980063805 19980421

Probable Assignee: IBM

Assignee(s): (std): ZADROZNY WLODEK WLODZIMIERZ

Assignee(s): IBM ; IBM CORP ; KANEVSKY DIMITRI ; MAES STEPHENS HERMAN

Inventor(s): (std): KANEVSKY DIMITRI ; MAES STEPHENS HERMAN ; ZADROZNY WLODEK WLODZIMIERZ

Title: CRYPTOGRAPHICALLY STRONG KEY DERIVATION USING PASSWORD, AUDIO-VISUAL AND MENTAL MEANS

Abstract: A security system that uses a cryptographic key derived from human interaction with media. The system employs a set of parameters that includes user responses to graphical media and/or audio data, among other parameters. The architecture adds a fourth dimension to the conventional authentication means in order to make at least an offline attack on the key much more difficult. In addition to a standard set of parameters such as password, salt (random bits inserted into the encryption process) and iteration count, the system further utilizes information in the form of "what the user does" by presenting and prompting the user to interact with media in some way. The media can include audio information, video information, and/or image information, for example.

Classifications:

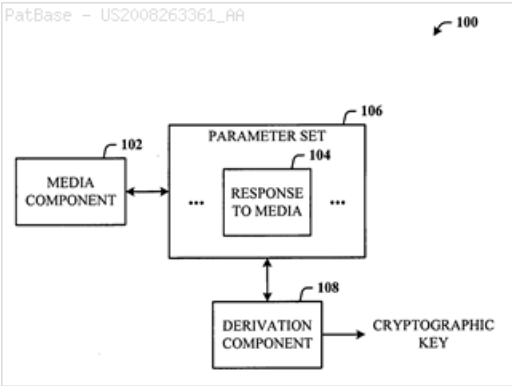
International (IPC 8-9): H04L9/00 (Advanced/Invention);

H04L9/00 (Core/Invention)

CPC: H04L9/0891 H04L9/0863 H04L2209/60 H04L2209/80

European: H04L9/08

US: 713/182 713/182P



Family:

Publication number	Publication date	Application number	Application date
US2008263361 AA	20081023	US20070788687	20070420

Priority:

US20070788687 20070420

Probable Assignee: MICROSOFT TECHNOLOGY LICENSING LLC
Assignee(s): (std): MICROSOFT CORP
Assignee(s): MICROSOFT TECHNOLOGY LICENSING LLC
Inventor(s): (std): ACAR TOLGA ; DUTTA TANMOY ; KADAM SUNIL
Agent(s): MICROSOFT CORP