PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Atrua, LLC	07/08/2009

RECEIVING PARTY DATA

Name:	AuthenTec, Inc.
Street Address:	100 Rialto Place
Internal Address:	Ste. 100
City:	Melbourne
State/Country:	FLORIDA
Postal Code:	32901

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	11701643
Application Number:	11705951

OP $80.00 11701643

CORRESPONDENCE DATA

Fax Number: (407)841-2343
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 4078412330
Email: kthanski@addmg.com
Correspondent Name: Christopher F. Regan
Address Line 1: 255 S. Orange Ave., Suite 1401
Address Line 4: Orlando, FLORIDA 32801

ATTORNEY DOCKET NUMBER:	51719/51720DIV6
NAME OF SUBMITTER:	Christopher F. Regan

Total Attachments: 24
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INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

THIS INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT (the "*Agreement*") is made by and between Atrua (assignment for the benefit of creditors), LLC, a California limited liability company in its sole and limited capacity as Assignee for the Benefit of Creditors of Atrua Technologies, Inc., having its principal office located at 1100 La Avenida Street, Building A, Mountain View, California 94043 ("*Assignor*") and AuthenTec, Inc., a Delaware corporation, with its principal offices located at 100 Rialto Place, Suite 100, Melbourne, Florida 32901 ("*Assignee*").

RECITALS

A. Assignor and Assignee are parties to that certain Asset Purchase Agreement dated as of the date hereof (the "*Purchase Agreement*"). Capitalized terms used herein and not otherwise defined shall have the meanings ascribed to them in the Purchase Agreement;

B. Assignor controls and owns certain intellectual property and other proprietary rights relating to the business of Atrua Technologies, Inc. ("*ATI*"), which Assignor acquired as of May 8, 2009 pursuant to a General Assignment between ATI and Assignor; and

C. Pursuant to the Purchase Agreement, Assignor has agreed to sell to Assignee, and Assignee has agreed to buy from Assignor, certain intellectual property and other proprietary rights relating to the business of ATI.

NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor and Assignee hereby agree as follows:

1. Assignor does hereby sell, assign, transfer, convey, contribute, and deliver to Assignee and its successors, assigns, designees and legal representatives, and Assignee does hereby accept from Assignor, all right, title and interest in and to any and all of the following set forth in Paragraphs 1(a), (b), (c), (d) and (e) below, free and clear of all security interests, liens, collateral assignments or other encumbrances, all rights of priority therein in any country as may now or hereafter be granted to Assignor by law, treaty or other international convention, all income, royalties and payments due or payable with respect to all of the following set forth in Paragraphs 1(a), (b), (c), (d) and (e) below as well as all rights to sue and recover damages or obtain relief for past, present and future infringements of any and all of the following set forth in Paragraphs 1(a), (b), (c) and (d) below and all other corresponding rights that are or may be secured under the laws of the United States or any other country, now or hereafter, the same to be used and enjoyed by Assignee and for the use and enjoyment of its successors, assigns, designees and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Agreement had not been made:

(a) (i) all inventions, whether or not patentable, and all domestic and foreign patents (including certificates of invention and other patent equivalents), patent applications and patents issuing therefrom relating to the business of ATI as well as all divisionals, continuations, continuations-in-part, reissues, extensions, revivals and renewals of any patent or patent application and/or directed to the business of ATI or any portion thereof and/or designed and/or developed by or on behalf of Assignor for or at the request of Assignee, or otherwise used in or related to the business of ATI as previously conducted,

currently conducted or currently proposed to be conducted, including, but not limited to, all of those issued patents and pending patent applications as well as expired patents and abandoned patent applications identified in Schedule A attached hereto, free and clear of any and all debts, liens, claims by or obligations to any person or entity (collectively, the "***Patent Rights***"); (ii) the inventions claimed by Assignor or disclosed in the Patent Rights; and (iii) all foreign counterparts to the Patent Rights (whether patents or patent applications) (all of the foregoing collectively the "***Assigned Patent Rights***");

(b) all trademarks, service marks, trade dress, trade names, corporate names and Internet domain names designed and/or developed by or on behalf of Assignor for or at the request of Assignee, or otherwise used in or related to the business of ATI as previously conducted, currently conducted or currently proposed to be conducted, and all registrations and applications to register any of the foregoing and all common-law rights relating to any of the foregoing, including but not limited to all of those trademarks and services identified in Schedule B attached hereto and all registrations and applications identified in Schedule A attached hereto, together with the portion of Assignor's existing and ongoing business to which any of the foregoing pertains, such portion of ATI's business free and clear of any and all debts, liens, claims by or other obligations to any person or entity, and all goodwill associated with any of the foregoing, and the right to obtain trademark and service mark registrations in the United States of America or foreign countries relating to any of the foregoing (all of the foregoing collectively the "***Assigned Trademark Rights***");

(c) any and all works of authorship in all media now known or later developed, designed and/or developed by or on behalf of Assignor for or at the request of Assignee, or otherwise used in or related to the business of ATI as previously conducted, currently conducted or currently proposed to be conducted, and all copyright rights therein, including but not limited to all works of authorship, content and other elements of any websites located at any of the addresses accessible via any of the domain names identified in Schedule C attached hereto (all of the foregoing collectively the "***Assigned Copyright Works***"), and the right to secure statutory copyrights and renewals, reissues and extensions of such copyrights; to prepare derivative works or adaptations therefrom; to reproduce the Assigned Copyright Works; to distribute copies of the Assigned Copyright Works; to perform the Assigned Copyright Works, including, without limitation, digital transmissions of the Assigned Copyright Works; and to display the Assigned Copyright Works;

(d) any and all trade secrets, "know how," data and confidential information, and any and all other intellectual property rights and proprietary rights not encompassed in the Assigned Patent Rights, Assigned Trademark Rights, and Assigned Copyright Works, designed and/or developed by or on behalf of Assignor for or at the request of Assignee, or otherwise used in or related to the Business as previously conducted, currently conducted or currently proposed to be conducted (all of the foregoing collectively "***Assigned Know How Rights***"); and

(e) all rights, interests, claims, demands and relief recoverable in law or equity, that Assignor had, has or may have for past, present and future infringements of the Assigned Patent Rights, Assigned Trademark Rights, Assigned Copyright Works, and/or Assigned Know How Rights, including, without limitation, the right to compromise, sue for and collect such profits and damages.

2. Assignor hereby acknowledges and agrees that Assignee, as owner of the Assigned Patent Rights, Assigned Trademark Rights, Assigned Copyright Works, and Assigned Know How Rights, may use the Assigned Patent Rights, Assigned Trademark Rights, Assigned Copyright Works, and Assigned Know How Rights for any lawful purpose without restriction, and Assignor waives any and all moral rights Assignor may have to the Assigned Copyright Works in the United States of America and all other

countries, including, without limitation, any rights Assignor may have under 17 U.S.C. § 106A, including, without limitation, any and all rights of identification of authorship, any and all rights of approval, restriction or limitation on use or subsequent modifications.

3. Without further consideration, Assignor and Assignee shall take all such other action and shall procure or execute, acknowledge, and deliver all such further certificates, conveyance instruments, consents, and other documents as Assignee or its counsel, or Assignor or its counsel, may reasonably request to vest in Assignee, and perfect and protect Assignee's right, title, and interest in, and enjoyment of the Assigned Patent Rights, Assigned Trademark Rights, Assigned Copyright Works and Assigned Know How Rights.

4. This Agreement shall be governed by and construed in accordance with the laws of the United States, with respect to patent, trademark and copyright issues, and in all other respects including as to validity, interpretation and effect by the laws of the State of California, without giving effect to the conflict of laws rules thereof.

[Signatures on following page]

IN WITNESS WHEREOF, this Intellectual Property Assignment and Consent Agreement is effective this 8th day of July, 2009.

ASSIGNOR

ATRUA (ASSIGNMENT FOR THE BENEFIT OF CREDITORS), LLC

By: _____

Name: _____

Title: _____

ASSIGNEE

AUTHENTEC, INC.

By: _____

Name: _____

Title: _____

Signature Page to IP Assignment

IN WITNESS WHEREOF, this Intellectual Property Assignment and Consent Agreement is effective this 8th day of July, 2009.

ASSIGNOR

ATRUA (ASSIGNMENT FOR THE BENEFIT OF CREDITORS), LLC

By: _____
Name: _____
Title: _____

ASSIGNEE

AUTHENTEC, INC.

By: Frederick Jurgenson
Name: Frederick Jurgenson
Title: VP - General Counsel

Signature Page to IP Assignment

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California
County of Santa Clara }

On 7/8/09 (Date) before me, Hangama Aziz, notary public, (Here Insert Name and Title of the Officer)

personally appeared Michael A. Mandy (Name(s) of Signer(s))

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Signature of Notary Public)

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

Signer's Name: _____
☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____

RIGHT THUMBPRINT OF SIGNER
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SCHEDULE A

Patents and Patent Applications

Patent/Publication/Application No. and Description
U.S. Patent No.: 7,474,772 B2 Issued: 1/6/09 Entitled: SYSTEM AND METHOD FOR A MINIATURE USER INPUT DEVICE (published 1/20/05 as publ. no. US-2005-0012714-A1)
Japanese Patent Appl. No.: 2006-517616 Filing Date: 6/23/04 Entitled: SYSTEM AND METHOD FOR A MINIATURE USER INPUT DEVICE
U.S. Patent Appl. No.: 10/912,655 Filed: 8/4/04 Entitled: SYSTEM FOR AND METHOD OF GENERATING ROTATIONAL INPUTS (published 2/24/05 as publ. no. US-2005-0041885-A1)
European Patent Appl. No.: 04 780 370.5 Filing Date: 8/5/04 Entitled: SYSTEM FOR AND METHOD OF GENERATING ROTATIONAL INPUTS
Japanese Patent Application No.: 2006-524682 Filing Date: 8/5/04 Entitled: SYSTEM FOR AND METHOD OF GENERATING ROTATIONAL INPUTS
U.S. Patent Appl. No.: 10/882,787 Filed: 6/30/04 Entitled: SYSTEM FOR AND METHOD OF FINGER INITIATED ACTIONS (published 8/4/05 as publ. no. US-2005-0169503-A1)
U.S. Patent Appl. No. 11/056,820 Filed: 2/10/05 Entitled: SYSTEM FOR AND METHOD OF EMULATING MOUSE OPERATIONS USING A FINGER IMAGE SENSOR (published 8/18/05 as publ. no. US-2005-017657-A1)
European Appl. No. 05713619.4 Filing Date: 2/10/05 Entitled: SYSTEM AND METHOD OF EMULATING MOUSE OPERATIONS USING FINGER IMAGE SENSORS

Patent/Publication/Application No. and Description
U.S. Patent Appl. No. 11/060,846 Filed: 2/18/05 Entitled: **DYNAMIC FINGER DETECTION MECHANISM FOR A FINGERPRINT SENSOR** (Will not be published)
U.S. Patent No.: 7,280,679 B2 Issued: 10/9/07 Entitled: **SYSTEM FOR AND METHOD OF DETERMINING PRESSURE ON A FINGER SENSOR** (published 4/13/06 as publ. no. US-2006-0078174-A1)
U.S. Patent Appl. No.: 11/219,100 Filed: 9/1/05 Entitled: **SYSTEM FOR AND METHOD OF EMULATING ELECTRONIC INPUT DEVICES** (published 3/15/07 as publ. no. US-2007-0061126-A1)
U.S. Patent Appl. No. 11/397,449 Filed: 4/3/06 Entitled: **SYSTEM FOR AND METHOD OF PROTECTING AN INTEGRATED CIRCUIT FROM OVER CURRENTS** (US Publication 20070207681)
European Patent Appl. No.: 06 749 654.7 Filing date: 4/7/06 Entitled: **SYSTEM FOR AND METHOD OF PROTECTING AN INTEGRATED CIRCUIT FROM OVER CURRENTS**
Japanese Patent Appl. No.: 2008-505629 Filed: 4/7/06 Entitled: **SYSTEM FOR AND METHOD OF PROTECTING AN INTEGRATED CIRCUIT FROM OVER CURRENTS**
PCT Patent Appl. No. PCT/US2006/13310 Filed: 4/7/06 Entitled: **SYSTEM FOR AND METHOD OF PROTECTING AN INTEGRATED CIRCUIT FROM OVER CURRENTS** (published 10/19/06 as publ. no. WO 2006/110649 A2)
U.S. Patent No. 7,505,613 B2 Issued: 3/17/09 Entitled: **METHODS FOR PROTECTING FINGERPRINT BIOMETRIC SYSTEMS FROM FAKE-FINGER SPOOFING** (published 1/18/07 as publ. no. US-2007-0014443-A1)

Patent/Publication/Application No. and Description
PCT Appl. No.: PCT/US2006/027134 Int'l filing date: 7/11/06 Entitled: **METHODS FOR PROTECTING FINGERPRINT BIOMETRIC SYSTEMS FROM FAKE-FINGER SPOOFING** (published 1/18/08 as publ. no. WO/2007/009016 A2)
U.S. Patent Appl. No.: 11/591,242 Filed: 10/31/06 Entitled: **DEVICES USING A METAL LAYER WITH AN ARRAY OF VIAS TO REDUCE DEGRADATION** (US Publication No. 2007/0098228)
U.S. Patent Appl. Serial No.: 11/705,951 Filed: 2/12/07 Entitled: **SYSTEMS USING VARIABLE RESISTANCE ZONES AND STOPS FOR GENERATING INPUTS TO AN ELECTRONIC DEVICE** (U.S. Publication No. 2007/0271048)
Taiwan Patent Appl. No.: 096105148 Filed: 2/12/07 Entitled: **SYSTEMS USING VARIABLE RESISTANCE ZONES AND STOPS FOR GENERATING INPUTS TO AN ELECTRONIC DEVICE**
U.S. Patent No. 7,190,251 B2 Issued: 3/13/07 Entitled: **VARIABLE RESISTANCE DEVICES AND METHODS** (published 11/21/02 as publ. no. 2002-0170167 A1)
Divisional Appl. 11/494,828 Filed: 7/28/06 Entitled: **RESILIENT MATERIAL POTENTIOMETER** (as amended) (published 11/23/06 as publ. no. US-2006-0261923-A1)
Divisional Appl. No.: 11/544,114 Filed: 10/6/06 Entitled: **LINEAR RESILIENT MATERIAL VARIABLE RESISTOR** (as amended) (published 3/22/07 as publ. no. US-2007-00063811-A1)

Patent/Publication/Application No. and Description
Divisional Appl. No.: 11/546,652 Filed: 10/11/06 Entitled: **RESILIENT MATERIAL VARIABLE RESISTOR** (as amended) (published 3/22/07 as publ. no. US-2007-00063810-A1)
Divisional Appl. No.: 11/701,579 Filed: 2/1/07 Entitled: **RESILIENT MATERIAL VARIABLE RESISTOR** (as amended)
Divisional Appl. No.: 11/701,643 Filed: 2/1/07 Entitled: **RESILIENT MATERIAL VARIABLE RESISTOR** (as amended) Application published 6/21/07 as publication no. US-2007-0139156 A1
Divisional Appl. No.: 11/701,578 Filed: 2/1/07 Entitled: **RESILIENT MATERIAL POTENTIOMETER** (as amended) Application published 8/16/07 as publication no. US-2007-0188294 A1
U.S. Patent No.: 7,391,269 B2 Filed: 6/24/08 Entitled: **RESILIENT MATERIAL POTENTIOMETER** (as amended) Application published 8/23/07 as publication no. US-2007/0194877
Divisional Appl. No.: 11/701,618 Filed: 2/1/07 Entitled: **RESILIENT MATERIAL VARIABLE RESISTOR** (as amended) Published 6/14/07 as publication no.: 2007-0132544-A1
U.S. Patent No.: 7,289,107 B1 Issued: 10/30/07 Entitled: **AUTO-CALIBRATION OF POINTING DEVICES USED IN A COMPUTER USER INTERFACE**
Europe Patent Appl. No.: 00916274.4 Filing Date: 3/10/00 Entitled: **AUTO-CALIBRATION OF POINTING DEVICES USED IN A COMPUTER USER INTERFACE**

Patent/Publication/Application No. and Description
Hong Kong Appl. No.: 02107958.3 Filing Date: 3/10/00 Entitled: **AUTO-CALIBRATION OF POINTING DEVICES USED IN A COMPUTER USER INTERFACE**
Japan Patent Appl. No.: 2000-604395 Filing Date: 3/10/00 Entitled: **AUTO-CALIBRATION OF POINTING DEVICES USED IN A COMPUTER USER INTERFACE**
U.S. Patent Appl. 11/825,412 Filed: 7/5/07 Entitled: **SYSTEM FOR AND METHOD FOR ASSIGNING CONFIDENCE VALUES TO FINGERPRINT MINUTIA POINTS** U.S. Publication No. 2008/0013808
Taiwan Patent Appl. No.: 096124968 Filed: 7/9/07 Entitled: **SYSTEM FOR AND METHOD FOR ASSIGNING CONFIDENCE VALUES TO FINGERPRINT MINUTIA POINTS**
PCT Patent Appl. No.: PCT/US2007/015629 Int'l Filing Date: 7/6/07 Entitled: **SYSTEM FOR AND METHOD FOR ASSIGNING CONFIDENCE VALUES TO FINGERPRINT MINUTIA POINTS**
U.S. Patent No.: 6,252,582 B1 Issued: 6/26/01 Entitled: **ERGONOMIC POINTING DEVICE**
U.S. patent No.: 6,313,826 B1 Issued: 11/6/01 Entitled: **POINTING DEVICE WITH NON-SPRING RETURN MECHANISM**
U.S. Patent No.: 6,236,034 B1 Issued: 5/22/01 Entitled: **POINTING DEVICE HAVING SEGMENT RESISTOR SUBSTRATE**
U.S. Patent No.: 6,184,866 B1 Issued: 2/6/01 Entitled: **POINTING DEVICE**
German Patent No.: 69814655 T2 Issued: 5/14/03 Entitled: **POINTING DEVICE WITH INTEGRATED SWITCH**
European Patent No.: 1019792 Issued 5/14/03 Entitled: **POINTING DEVICE WITH INTEGRATED SWITCH**

Patent/Publication/Application No. and Description
British Patent No.: 1019792 Issued: 5/14/03 Entitled: **POINTING DEVICE WITH INTEGRATED SWITCH**
Taiwan Patent No.: 173160 Issued: 7/3/03 Entitled: **POINTING DEVICE WITH INTEGRATED SWITCH**
U.S. Patent No.: 5,949,325 Issued: 9/7/99 Entitled: **JOYSTICK POINTING DEVICE**
U.S. Patent No.: 5,675,309 Issued: 10/7/97 Entitled: **CURVED DISC JOYSTICK POINTING DEVICE**
German Patent No.: 69618725.6 Issued: 1/23/02 Entitled: **JOYSTICK POINTING DEVICE**
Europe Patent No.: 0762317 (appl. 96107795.5) Issued: 1/23/02 Entitled: **JOYSTICK POINTING DEVICE**
Taiwan Patent No.: NI-083752 Issued: 5/14/97 Entitled: **JOYSTICK POINTING DEVICE**
U.S. Patent No.: 6,563,488 B1 Issued: 5/13/03 Entitled: **POINTING DEVICE WITH INTEGRATED SWITCH**
U.S. Patent No.: 6,256,012 B1 Issued: 7/3/01 Entitled: **UNINTERRUPTED CURVED DISC POINTING DEVICE**
U.S. Patent No.: 6,496,178 B1 Issued: 12/17/02 Entitled: **POINTING DEVICE**
U.S. Patent No.: 6,404,323 B1 Issued: 6/11/02 Entitled: **VARIABLE RESISTANCE DEVICES AND METHODS**
Europe Patent Appl. No.: 00930652.3 Filing Date: 5/11/00 Entitled: **VARIABLE RESISTANCE DEVICES AND METHODS**
Japan Patent Appl. No.: 2000-620640 Filing Date: 5/11/00 Entitled: **VARIABLE RESISTANCE DEVICES AND METHODS**

Patent/Publication/Application No. and Description
Taiwan Patent No.: 150402 Issued: 6/4/02 Entitled: **VARIABLE RESISTANCE DEVICES AND METHODS**
Prov. Patent Appl. No.: 60/833,384 Filed: 7/25/06 Entitled: **LOW-PROFILE OR ULTRA-THIN NAVIGATION POINTING OR HAPTIC FEEDBACK DEVICES**
U.S. Patent Appl. No. 11/881,166 Filed: 7/25/07 Entitled: **LOW-PROFILE OR ULTRA-THIN NAVIGATION POINTING OR HAPTIC FEEDBACK DEVICES**
U.S. Prov. Patent Appl. No. 61/000,703 Filed: 10/25/07 Entitled: **ELECTROSTATIC DISCHARGE PROTECTION FOR A FINGERPRINT SENSOR**
U.S. Application No.: 11/070,154 Filed: Entitled: **ELECTROSTATIC DISCHARGE PROTECTION FOR A FINGERPRINT SENSOR**
U.S. Prov. Appl. No. 61/004,670 Filed: 11/28/07 Entitled: **METHOD FOR ENCRYPTING A SECRET AND UNLOCKING IT WITH A FINGERPRINT MATCH, SYSTEM AND METHOD TO IMPROVE SECURITY AND AUTHENTICATION PROCESS ON A DEVICE THAT USES WINDOWS MOBILE OS, AND PROTECTIVE ENCAPSULATION METHOD FOR A FINGERPRINT SENSOR.**
U.S. Patent Appln. No.: 12/315,141 Filed: 11/26/08 Entitled: **SYSTEM FOR AND METHOD OF ENCRYPTING AND UNLOCKING DATA USING A FINGERPRINT**
PCT Patent Appl. No.: 08/13241 Filed: 11/26/08 Entitled: **SYSTEM FOR AND METHOD OF ENCRYPTING AND UNLOCKING DATA USING A FINGERPRINT**
U.S. Prov. Appl. No.: 61/065,751 Filed: 02/13/08 Entitled: **SYSTEM FOR PROVIDING INTERTIAL SCROLLING/NAVIGATION USING A FINGERPRINT SENSOR**
U.S. Patent Appln.. No.: 12/378,338 Filed: 02/13/09 Entitled: **SYSTEM FOR PROVIDING INERTIAL SCROLLING/NAVIGATION USING A FINGERPRINT SENSOR**

Patent/Publication/Application No. and Description
U.S. Prov. Appl. No.: 61/190,583 Filed: 8/28/08 Entitled: METHOD FOR SECURELY ENTERING CODES DURING TELEPHONE CALLS
U.S. Prov. Appl. No.:61,192,675 Filed: 9/18/08 Entitled: ENHANCED CAPACITIVE FINGERPRINT SENSE ARRAY ARCHITECTURE

Patent/Publication/Application No. and Description
U.S. Patent No. 7,197,168 Filed: 7/12/02 Entitled: METHOD AND SYSTEM FOR BIOMETRIC IMAGE ASSEMBLY FROM MULTIPLE PARTIAL BIOMETRIC FRAME SCANS
U.S. Patent No. 7,256,589 Filed: 4/25/02 Entitled: CAPACITIVE SENSOR SYSTEM WITH IMPROVED CAPACITANCE MEASURING SENSITIVITY
U.S. Patent No. 7,259,573 Filed: 5/22/02 Entitled: SURFACE CAPACITANCE SENSOR SYSTEM USING BURIED STIMULUS ELECTRODE
U.S. Patent Application Publication No. 2005/0259852 Filed: 9/21/04 Entitled: SECURE SYSTEM AND METHOD OF CREATING AND PROCESSING PARTIAL FINGER IMAGES
U.S. Patent Application Publication No. 2006/0181521 Filed: 4/06/06 Entitled: SYSTEMS FOR DYNAMICALLY ILLUMINATING TOUCH SENSORS
U.S. Patent Application Publication No. 2007/0274575 Filed: 2/16/07 Entitled: METHOD AND SYSTEM FOR BIOMETRIC IMAGE ASSEMBLY FROM MULTIPLE PARTIAL BIOMETRIC FRAME SCANS
U.S. Patent Appln.. No.: 60/833,384 Entitled: KEY INTRO/AMPLIFICATION OF NAV DISK AND PILLS
U.S. Patent Appln.. No.: 60/833,415 Entitled: SOME FIRMWARE INCLUDING HAPTIC FEEDBACK
U.S. Patent Appln.. No.: 60/833,447 Entitled: EXPANSION ON MATERIALS AND EXPANSION ON SHAPES
U.S. Patent Appln.. No.: 60/833,418 Entitled: HARD STOP FOR PREDOMINATELY

Patent/Publication/Application No. and Description
U.S. Patent Appln.. No.: 60/833,421 Entitled: FIRMWARE
U.S. Patent Appln.. No.: 60/833,384 Entitled: KEY INTRO/AMPLIFICATION OF NAV DISK AND PILLS
WO 2007097979 A2 (PCT 2007US3982) Input signal generation system for mobile phone, has converter to map pressure at contact location to pressure and location along surface of actuator above pressure-sensitive variable resistors
WO 2006108189 (PCT 2006US13717) Touch sensor system for use in e.g. mobile telephone, has dynamic illuminator positioned adjacent to contact surface of touch sensor to indicate operating mode as power mode and standby mode of touch sensor through molding
WO 200605567 (PCT 2005US41612) Electronic device, e.g. game device, input providing system has customizable device interface coupled to user interface, and selectively mapping output of user interface to input for electronic device
EP 1812927 (app. no. 05849717.3) Electronic device, e.g. game device, input providing system has customizable device interface coupled to user interface, and selectively mapping output of user interface to input for electronic device
JP 2008521136 (app. No. 2007543214) Electronic device, e.g. game device, input providing system has customizable device interface coupled to user interface, and selectively mapping output of user interface to input for electronic device
WO 2006042070 (PCT 2005US36080) Pressure difference determining system for use with biometric finger sensor for e.g. portable game device, has pressure calculator correlating peaks of histogram data, and determining differences between variances of raw frame data
WO 2005116911 (PCT WO 2005US15354) Fingerprint minutiae template generating method for e.g. personal data assistant, involves generating two partial minutiae templates that are combined to generate complete minutiae template
EP 1766548 (app. No. 2005745718) Fingerprint minutiae template generating method for e.g. personal data assistant, involves generating two partial minutiae templates that are combined to generate complete minutiae template

Patent/Publication/Application No. and Description
JP 2007538335 (app. No. 2007527267) Fingerprint minutiae template generating method for e.g. personal data assistant, involves generating two partial minutiae templates that are combined to generate complete minutiae template
WO 2005079413 (PCT 2005US4828) Mouse operation emulating system for use in e.g. palmtop computer, has finger image sensor for generating finger image data, and emulator for determining durations corresponding to presence of finger on finger image sensor
WO 2005072372 (PCT 2005US2547) Task e.g. script, performing method for e.g. PDA, involves selecting one task e.g. script, and performing task on electronic device using finger prints that is retrieved from user profile data related to user and task
WO 200502245 (PCT 2004US25528) Rotation information obtaining method for electronic computing platform e.g. palmtop computer, involves correlating patterned images to generate set of linear differences, and using differences to generate rotation information
EP 1661085 (app. No. 2004780370) Rotation information obtaining method for electronic computing platform e.g. palmtop computer, involves correlating patterned images to generate set of linear differences, and using differences to generate rotation information
JP 2007519064 (app. No. 2006524682) Rotation information obtaining method for electronic computing platform e.g. palmtop computer, involves correlating patterned images to generate set of linear differences, and using differences to generate rotation information
WO 2005003900 (PCT 2004US20276) Electronic input device emulation method e.g. for mouse, involves calculating difference between two patterned image data and translating difference into set of signals corresponding to signals for emulating input device
EP 1714271 (app. No. 2005713619) Electronic input device emulation method e.g. for mouse, involves calculating difference between two patterned image data and translating difference into set of signals corresponding to signals for emulating input device

Patent/Publication/Application No. and Description
JP 2007526546 (app. No. 2006517616) Electronic input device emulation method e.g. for mouse, involves calculating difference between two patterned image data and translating difference into set of signals corresponding to signals for emulating input device
WO 2002095439 (PCT 2002US16533) Surface capacitance sensor for use in measurement of position of fingerprint artifacts, uses switches that connect all sensor electrodes in respective columns to respective time-varying voltmeters
EP 1412765 (app. No. 2002737174) Surface capacitance sensor for use in measurement of position of fingerprint artifacts, uses switches that connect all sensor electrodes in respective columns to respective time-varying voltmeters
AU 2002310124 Surface capacitance sensor for use in measurement of position of fingerprint artifacts, uses switches that connect all sensor electrodes in respective columns to respective time-varying voltmeters
JP 4102672 B2 (app. No. 2002591858) Surface capacitance sensor for use in measurement of position of fingerprint artifacts, uses switches that connect all sensor electrodes in respective columns to respective time-varying voltmeters
TW 225932 (app. No. 2002110792) Surface capacitance sensor for use in measurement of position of fingerprint artifacts, uses switches that connect all sensor electrodes in respective columns to respective time-varying voltmeters
WO 2003007218 (PCT 2002US23238) Fingerprint sensor system for use in small electronic devices e.g. PDA, in which fingerprint biometric capture sensor is integrated with on chip buffering
AU 2002319630 Fingerprint sensor system for use in small electronic devices e.g. PDA, in which fingerprint biometric capture sensor is integrated with on chip buffering
WO 2003007127 (PCT 2002US22211) Composite biometric image generating method using number of acquired frames, in which partial imagery data is acquired and combined to reconstruct larger composite image

Patent/Publication/Application No. and Description
AU 2002316679 Composite biometric image generating method using number of acquired frames, in which partial imagery data is acquired and combined to reconstruct larger composite image
EP 1573426 (app. No. 2002747003) Composite biometric image generating method using number of acquired frames, in which partial imagery data is acquired and combined to reconstruct larger composite image
JP 2005531935 (app. No. 2003512825) Composite biometric image generating method using number of acquired frames, in which partial imagery data is acquired and combined to reconstruct larger composite image
WO 2003007121 (PCT 2002US22163) Transaction confidence token for secure communication system, has envelope including transaction information and trust metric, together with seal which includes a digital signature of envelope.
AU 2002332414 Transaction confidence token for secure communication system, has envelope including transaction information and trust metric, together with seal which includes a digital signature of envelope.
TW 235584 (app. No. 2002115450) Transaction confidence token for secure communication system, has envelope including transaction information and trust metric, together with seal which includes a digital signature of envelope.
WO 2002095801 A2 20021128 WO 2002US16399 Electrical and physical connection between integrated circuit sensor and electronic system for e.g. fingerprint sensor
EP 1407477 A2 20040414 EP 2002737133 Electrical and physical connection between integrated circuit sensor and electronic system for e.g. fingerprint sensor
AU 2002310087 Electrical and physical connection between integrated circuit sensor and electronic system for e.g. fingerprint sensor
JP 2005516377 W 20050602 JP 2002592167 Electrical and physical connection between integrated circuit sensor and electronic system for e.g. fingerprint sensor
TW 241531 B1 20051011 TW 2002110793 Electrical and physical connection between integrated circuit sensor and electronic system for e.g. fingerprint sensor

Patent/Publication/Application No. and Description
WO 2002089038 A2 20021107 WO 2002US13379 Capacitance sensor has sensor and shield arrays feeding charge pump circuits with shield electrodes and unused sensor electrodes connected by switches to provide capacitance cancellation at each array point
EP 1390902 A2 20040225 EP 2002734067 Capacitance sensor has sensor and shield arrays feeding charge pump circuits with shield electrodes and unused sensor electrodes connected by switches to provide capacitance cancellation at each array point
AU 2002305257 Capacitance sensor has sensor and shield arrays feeding charge pump circuits with shield electrodes and unused sensor electrodes connected by switches to provide capacitance cancellation at each array point
TW 242168 B1 20051021 TW 2002108846 Capacitance sensor has sensor and shield arrays feeding charge pump circuits with shield electrodes and unused sensor electrodes connected by switches to provide capacitance cancellation at each array point
JP 2004534217 W 20041111 JP 2002586262 Capacitance sensor has sensor and shield arrays feeding charge pump circuits with shield electrodes and unused sensor electrodes connected by switches to provide capacitance cancellation at each array point
WO 2000072333 VARIABLE RESISTANCE DEVICES AND METHODS
EP 1196928 A1 20020417 EP 2000930652 VARIABLE RESISTANCE DEVICES AND METHODS
JP 2003500849 T 20030107 JP 2000620640 VARIABLE RESISTANCE DEVICES AND METHODS
TW 476074 B 20020211 TW 2000109271 VARIABLE RESISTANCE DEVICES AND METHODS
WO 2000054247 AUTO-CALIBRATION OF POINTING DEVICES USED IN A COMPUTER USER INTERFACE
AU 200037403 AUTO-CALIBRATION OF POINTING DEVICES USED IN A COMPUTER USER INTERFACE
EP 1200954 A1 20020502 EP 2000916274 AUTO-CALIBRATION OF POINTING DEVICES USED IN A COMPUTER USER INTERFACE
JP 2002539541 T 20021119 JP 2000604395 AUTO-CALIBRATION OF POINTING DEVICES USED IN A COMPUTER USER INTERFACE
WO 1999017180 POINTING DEVICE WITH INTEGRATED SWITCH

Patent/Publication/Application No. and Description
AT 240545 T 20030515 AT 1998950709 **POINTING DEVICE WITH INTEGRATED SWITCH**
AU 199896691 **POINTING DEVICE WITH INTEGRATED SWITCH**
DE 69814655 T2 20040325 DE 69814655 **POINTING DEVICE WITH INTEGRATED SWITCH**
EP 1019792 B1 20030514 EP 1998950709 **POINTING DEVICE WITH INTEGRATED SWITCH**
JP 2001518655 T 20011016 JP 2000514180 **POINTING DEVICE WITH INTEGRATED SWITCH**
TW 521204 B 20030221 TW 1998116095 **POINTING DEVICE WITH INTEGRATED SWITCH**
AT 212460 T 20020215 AT 1996107795 **I-POINT JOY STICK POINTING DEVICE**
CA 2177118 A1 19961230 CA 2177118 **I-POINT JOY STICK POINTING DEVICE**
DE 69618725 T2 20021031 DE 69618725 **I-POINT JOY STICK POINTING DEVICE**
EP 762317 B1 20020123 EP 1996107795 **I-POINT JOY STICK POINTING DEVICE**
JP 9120337 A 19970506 JP 1996186904 **I-POINT JOY STICK POINTING DEVICE**
WO 2003007527 A2 20030123 WO 2002US21922 **Digital certificate for public key infrastructure with public key and biometric data associated with same entity**
AU 2002330871 **Digital certificate for public key infrastructure with public key and biometric data associated with same entity**
WO 2007030310 A3 20090416 WO 2006US32690 **Device emulating system for electronic input device e.g. mouse has interface for selecting electronic input device and emulator coupled to interface for emulating electronic input device**
HK 105465.5 **Pointing Device with Integrated Switch**
U.S. Publication No. 20030013328 (U.S. Application No. 10/155,834) Connection Assembly For Integrated Circuit Sensors
Provisional Application filed 07/14/06 System for User Entry of Logograms into a Computer Using a Finger Imaging Sensor

SCHEDULE B

TRADEMARKS AND DOMAIN NAMES

TRADEMARKS

Mark	Application No.	Filed Date	Registration No.	Attorney Reference
ATRUA		9/17/2003	U.S. Trademark Reg. No. # 3,056,240	WSGR 29303-TM 1001
ATRUA WINGS	78/370536	2/19/2004	U.S. Trademark Reg. No. # 3,349,206	*H&O 05200*
FLEXI-CONNEX				WSGR 29303-TM1006
HAPTICWARE				WSGR 29303-TM1004
HAPTORXD	78/370551	2/19/2004		WSGR 29303-TM1003
INTELLEGENT TOUCH CONTROLS				
SENTRU				WSGR 29303-TM1005
UNLOCKING THE POWER OF MOBILE DEVICES	76/542,508	9/4/2003		H&O ICI-00300
UNLOCKING THE POWER OF MOBILE DEVICES...AT THE SPEED OF TOUCH	76/574,576	2/9/2004		H&O ICI-00301
UNLOCKING THE POWER OF MOBILE DEVICES	76/685,683	1/10/8		H&O

Mark	Application No.	Filed Date	Registration No.	Attorney Reference
VARATOUCH			California Reg. No.: 110683 (Trademark)	Registered: 02/04/2005
VSENSE			California Reg. No.: 060217 (Trademark) California Reg. No.: 110677 (Service Mark)	Registered 02/03/2005
VARASWITCH			California Reg. No.: 110684 (Trademark)	Registered 02/04/2005
MACROPOINT			California Reg. No.: 110692 (Trademark)	Registered 02/04/2005
MICROPOINT			California Reg. No.: 1106691 (Trademark)	Registered 02/04/2005
MINIPOINT			California Reg. No.: 110690 (Trademark)	Registered 02/04/2005
NANOPOINT			California Reg. No.: 110689 (Trademark)	Registered 02/04/2005
SCROLL SWITCH			California Reg. No.: 110688 (Trademark)	Registered 02/04/2005
TELEPOINT			California Reg. No.: 110687 (Trademark)	Registered 02/04/2005
VARAPAD			California Reg. No.: 110686 (Trademark)	Registered 02/04/2005
VARAPOINT			California Reg. No.: 110685 (Trademark)	Registered 02/04/2005
R2 MINIPOINT				Unregistered TM
R2 MICROPOINT				Unregistered TM
R2 TECHNOLOGY				Unregistered TM
POINT WAVE				Unregistered TM

DOMAIN NAMES

	Hosting Company		Registration Date	Expiration	Comments
Atrua Domains	Network Solutions.com	icontrolinc.com		New expiration 12/3/2009 (renewed 12/1/08)	iControl, Inc. was Atrua's original name
	domainmonger.com	Atrua.com	8/22/2003	New exp 8/21/10 (renewed 8/18/08)	
	domainmonger.com	Atrua.biz	8/22/2003	New exp 8/21/10 (renewed 8/18/08)	
	domainmonger.com	Atrua.net	8/22/2003	New exp 8/21/10 (renewed 8/18/08)	
	domainmonger.com	Atruatechnologies.com	8/22/2003	New exp 8/21/10 (renewed 8/18/08)	
	domainmonger.com	Atruatechnologies.biz	8/22/2003	New exp 8/21/10 (renewed 8/18/08)	
Website	Verio	http://www.atrua.com	7/22/2006	Expired	
	Westhost	http://www.atrua.com		New expiration 7/22/09	

SCHEDULE C

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