

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Atrua Technologies, Inc.	05/31/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Atrua, LLC
<b>Street Address:</b>	1100 La Avenida Street
<b>Internal Address:</b>	Building A
<b>City:</b>	Mountain View
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94043
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	7629871
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(407)841-2343
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	(407) 841-2330
<b>Email:</b>	jabid@addmg.com
<b>Correspondent Name:</b>	Jack G. Abid
<b>Address Line 1:</b>	255 S. Orange Ave.
<b>Address Line 2:</b>	Suite 1401
<b>Address Line 4:</b>	Orlando, FLORIDA 32801
<b>ATTORNEY DOCKET NUMBER:</b>	51868
<b>NAME OF SUBMITTER:</b>	Jack G. Abid

OP \$40.00 7629871

Total Attachments: 9  
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**501648111**

**PATENT  
 REEL: 026856 FRAME: 0922**

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**PATENT ASSIGNMENT AGREEMENT**

WHEREAS, by unanimous written consent of the the board of directors of Atrua Technologies Atrua Technologies, Inc., a Delaware corporation ("*Atrua Technologies*" or the "**Company**"), and with the consent of the shareholders of Atrua Technologies, on May 2, 2009, Atrua Technologies, in accordance with the assignment for benefit of creditors laws of the State of California, transferred ownership of all of its right, title and interest in and to all of its assets to Atrua (Assignment for the Benefit of Creditors), LLC, a California limited liability company (the "*Assignee*"), and in so doing has also designated Assignee to act as the assignee for the benefit of creditors of Atrua Technologies (the "*General Assignment*");

WHEREAS, pursuant to the terms of the General Assignment Agreement between Atrua Technologies and the Assignee, all of Atrua Technologies's rights title and interest in its assets have been assigned to the Assignee, including the Company's patents and patent applications;

WHEREAS, Atrua Technologies and Assignee desire to memorialize the transfer of the Company's patents and patent applications and related rights to Assignee.

**NOW, THEREFORE, BE IT KNOWN**, pursuant to the General Assignment Agreement, Atrua Technologies has conveyed, assigned, transferred, delivered and set over for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and does hereby convey, assign, transfer, deliver and set over, unto said Assignee, its successors and assigns, (1) the entire worldwide right, title and interest in and to each and all Letters Patents in the United States and in all foreign countries including, without limitation corresponding Patent Cooperation Treaty patent applications and corresponding National patent applications and all inventions, improvements and discoveries disclosed in said Letters Patents and applications which were held by the Company immediately prior to the consummation of the General Assignment, including those set forth in **Schedule A** hereto, and in and to all substitutions, divisions, continuations, continuations-in-part, reexaminations, extensions, renewals and reissues (as applicable) thereof, including without limitation of generality, all rights of priority resulting from the filing of patent applications relating to any of the foregoing as well as any and all choses in action and any and all claims and demands, both at law and in equity, that Assignor has or may have for damages or profits accrued or to accrue on account of the infringement of any of said Letter Patents, patent applications, inventions, improvements and discoveries (or any provisional rights therein), the same to be held and enjoyed by Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by the Company if the assignment set forth in this Patent Assignment had not been made; (2) the full and complete right to file patent applications in the name of the Company or its designee, at the Assignee's, or its designee's election, on the aforesaid inventions, improvements, discoveries and applications in all countries of the world; and (3) the entire right, title and interest in and to any Letter Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same.

AND the Company hereby authorizes and requests the United States Patent and Trademarks Office to issue said Letter Patents in accordance with this Agreement.

[Signature page follows]

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IN WITNESS WHEREOF, Atrua Technologies <sup>(May)</sup> has caused this Patent Assignment to be signed by its duly authorized officer as of April 21, 2009.

Atrua Technologies, Inc.

By: [Signature]  
Name: Carson Zhou  
Title: \_\_\_\_\_

Atrua (Assignment for the benefit of Creditors), LLC, in its sole and limited capacity as the assignee for the benefit of creditors of Atrua Technologies, Inc.

By: [Signature]  
Name: Michelle A. Mason  
Title: Manager

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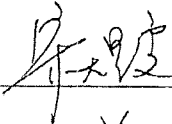
ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of Carson Zhou to the above Assignment and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Carson Zhou is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on May 31, 2009 to execute the above Assignment.
3. Carson Zhou subscribed to the above Patent Assignment Agreement on behalf of Carson Zhou.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

EXECUTED on May 31, 2009



Print Name: Yunwen Song

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of Santa Clara }

On 6/30/09 before me, Hangama Aziz, notary public  
date Here Insert Name and Title of the Officer

personally appeared Michael A. Moidy  
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 Hangama Aziz  
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: \_\_\_\_\_

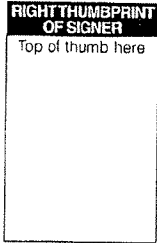
Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

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: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Schedule A

Patent Assignment

25149/00200/SF/5166223-5166223.6

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**PATENT**  
**REEL: 026856 FRAME: 0928**

## Granted

<u>Status</u>	<u>Title</u>	<u>Number</u>	<u>Country</u>	<u>Date</u>
<b><u>Fingerprint Related:</u></b>				
Granted	Capacitive Sensor System With Improved Capacitance Measuring Sensitivity	US 7256589	I2421 US, TW	10/21/05
Granted	Connection Assembly For Integrated Circuit	I241531	TW	10/11/05
Granted	Surface Capacitance Sensor System Using Buried Stimulus Electrode	US 7259573	I2259 US, TW	01/01/05
Granted	System, Method And Operating Model For Mobile Wireless Network Based Transaction Authentication And Non-Repudiation	I235584	TW	07/01/05
Granted	Method and System for Biometric Image Assembly from Multiple Partial Biometric Frame Scans	US 7197168	US	03/27/07
Granted	System For And Method Of Determining Pressure On A Finger Sensor	US 7280679	US	4/13/2006
Granted	Methods for Protecting Fingerprint Biometric Systems for Fake-Finger Spoofing	US 7505613	US	
Granted	System and Method for a Miniature User Input	US 7474772	US	01/06/09
<b><u>Vsense Related:</u></b>				
Granted	Ergonomic Pointing Device	6,252,582 B1	US	06/26/01
Granted	Pointing Device With Non-Spring Return	6,313,826 B1	US	11/06/01
Granted	Pointing Device Having Segment Resistor	6,236,034 B1	US	05/22/01
Granted	Pointing Device	6,184,866 B1	US	02/06/01
Granted	Joystick Pointing Device	5949325	US	09/07/99
Granted	Curved Disc Joystick Pointing Device	5675309	US	10/07/97
Granted	Pointing Device With Integrated Switch	6,563,488 B1	US	05/13/03
Granted	Uninterrupted Curved Disc Pointing Device	6,256,012 B1	US	07/03/01
Granted	Pointing Device	6,496,178 B1	US	12/17/02
Granted	Variable Resistance Devices And Methods	6,404,323 B1	US	06/11/02
Granted	Variable Resistance Devices And Methods	7190251	US	03/13/07
Granted	Variable Resistance Devices and Methods	150402	TW	06/04/02
Granted	Pointing Device with Integrated Switch	69814655 T2	DE	05/14/03
Granted	Pointing Device with Integrated Switch	1019792	GB	05/14/03
Granted	Pointing Device with Integrated Switch	173160	TW	07/03/03
Granted	Joystick Pointing Device	69618725.6	DE	01/23/02
Granted	Joystick Pointing Device	NI-083752	TW	05/14/97
Granted	Variable Resistance Devices And Methods	7190251	US	03/13/07
Granted	Auto-calibration of pointing devices used in a computer user interface	7289107	US	10/30/07
Granted	Resilient material potentiometer	7391296	US	06/24/08



## Pending

<u>Status</u>	<u>Title</u>	<u>Number</u>	<u>Country</u>	<u>Date</u>
<b><u>Fingerprint Related</u></b>				
Filed	Capacitive Sensor System With Improved Capacitance Measuring Sensitivity	2734067.8 2004-534217 10/134,042 20030016849	EP/Filed JP/Pub US/granted	11/11/04 01/23/03
Published	Connection Assembly For Integrated Circuit Sensors	10/155,834	US	5/22/2002
Published	Device Using a Metal Layer with an Array of Vias to Reduce Degradation	11/591,242 20070098228	US	10/31/06
Final Rejection May 2009	Dynamic Finger Detection Mechanism For A Fingerprint Sensor	11/060,846	US	02/18/05
Published	Electrostatic Discharge Protection For A Fingerprint Sensor	11/070,154	US	10/25/07
Pending JP, EP	Method and System for Biometric Image Assembly from Multiple Partial Biometric Frame Scans	1573426 11/707,625 2005-531935 7,197,168	EP/Pub US/Granted JP/Pub	09/14/05
Published	Methods for Protecting Fingerprint Biometric Systems for Fake-Finger Spoofing	PCT/US2006/027 134 11/484,381 20070014443	PCT/Pub	01/18/07
Allowed in US	Secure System And Method Of Creating And Processing Partial Finger Images	Unassigned 1766548 10/947,040 20050259852	JP/Filed EP/Pub US/Allowed	03/28/07 11/24/05
Filed	Surface Capacitance Sensor System Using Buried Stimulus Electrode	2002591858 1412765 10/155,793 20030020495	JP/Filed EP/Pub	01/16/03 01/30/03
Published	System and Method for a Miniature User Input Device	10/873,393 2006-517616 20050012714	JP/Filed	01/20/05
Published	System For And Method Of Determining Pressure On A Finger Sensor	11/102,227 20060078174	????, US (granted)	04/13/06
ABANDONED in US, did not enter National Phase in EP	System For And Method Of Emulating Electronic Input Devices	11/219,100 PCT/US06/32690 20070061126	US/Pub PCT/Pub	03/15/07
Published in US	System For And Method Of Emulating Mouse Operations Using A Finger Image Sensor	11/056,820 5713619.4 20050179657	US/Pub EP/Filed	08/18/05
Published	System For And Method Of Finger Initiated Actions	10/882,787 20050169503	US	08/04/05
Allowed in US, ABANDONED in EP & JP	System for and Method of Generating Rotational Inputs	04 780 370.5 2006-524682 10/912,655 20050041885	EP/Filed JP/Filed US/Allowed	08/04/04
ABANDONED in EP & JP, published in US	System For And Method Of Protecting An Integrated Circuit From Over Currents	11/397,449 PCT/US2006-13310	US/JP/Filed PCT/Pub	10/19/06

## Pending

<u>Status</u>	<u>Title</u>	<u>Number</u>	<u>Country</u>	<u>Date</u>
Pending in US & TW; PCT app abandoned	System for and Method of Assigning Confidence Values to Fingerprint Minutia Points	ICI-03001 2008/0013808	US, TW, PCT	07/14/06
Filed	System For and Method of Locking and Unlocking a Secret using a Fingerprint (Autokey)	ICI-5501	US, PCT	11/25/07 (prov)
Filed	Systems for and Methods of Providing Inertial Scrolling and Navigation using a Fingerprint Sensor	ICI-5601	US	2/12/08 (prov)
Published	A Customizable Touch Input Module for an Electronic Device	PCT/US05/41612 20060103633	PCT	05/26/06
Published	Systems for Dynamically Illuminating Touch Sensors	11/400,431 PCT/US2006/013 717 20070098228	US/Pub PCT/Pub	10/12/06
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<u>Vsense Related</u>	Auto-Calibration of Pointing Devices Used in a Computer User Interface	916274.4 09/523,407 2000-604395 2107958.3	EP/Filed US/NotPub JP/Filed HK/Filed	
Published	Linear Resilient Material Variable Resistor	11/544,114	US	03/22/07
Filed	Pointing Device with Integrated Switch	105465.5	HK	
Published	Resilient Material Potentiometer	11/494,828	US	11/23/06
Filed	Resilient Material Potentiometer	11/701,890	US	
Filed	Resilient Material Potentiometer	11/701,578	US	
Published	Resilient Material Variable Resistor	11/546,652	US	03/22/07
Filed	Resilient Material Variable Resistor	11/701,618	US	
Filed	Resilient Material Variable Resistor	11/701,579	US	
Filed	Resilient Material Variable Resistor	11/701,643	US	
Filed	Systems Using Variable Resistance Zones and Stops for Generating Inputs to an Electronic Device	11/705,951 96105148 11/705,951 Not yet available	US/Filed TW/Filed PCT/Filed	
Published	Variable Resistance Devices And Methods	10/188,513 2000-620640 930652.3	US/Pub JP/Filed EP/Filed	11/21/02

## Provisionals

Status	Title	Number	Country	Date Filed
<b>Fingerprint Related:</b>				
Abandoned in US	System for User Entry of Logograms into a Computer Using a Finger Imaging Sensor	ICI-03100	US	07/14/06
Provisional	New sense array		US	9/18/2008
Provisional	FP with Voice Networks		US	08/28/08
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<b>Vsense related:</b>				
Provisional	Key intro/amplification of nav disk and pills	60/833,384	US	
Provisional	Some firmware including haptic feedback	60/833,415	US	
Provisional	Expansion on materials and expansion on shapes. Not entirely necessary IMHO	60/833,447	US	
Provisional	Hard stops for joysticks predominately	60/833,418	US	
Provisional	Firmware (fairly detailed - and hence - revealing)	60/833,421	US	