

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3048447

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	PATENT SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
TACTUAL LABS CO.	10/01/2014

RECEIVING PARTY DATA

Name:	ALAN BLUESTINE
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PROPERTY NUMBERS Total: 31

Property Type	Number
Application Number:	61710256
Application Number:	13841436
Application Number:	61798708
Application Number:	61798828
Application Number:	61798948
Application Number:	61799035
Application Number:	61845879
Application Number:	61845892
Application Number:	61879245
Application Number:	61880887
Application Number:	14046819
Application Number:	14046823
Application Number:	61887615
Application Number:	14069609
Application Number:	61928069
Application Number:	61930159
Application Number:	61932047
Application Number:	61935674
Application Number:	61935709
Application Number:	14216791
Application Number:	14216873

PATENT

Property Type	Number
Application Number:	14216948
Application Number:	14217015
Application Number:	14316177
PCT Number:	US1363569
PCT Number:	US1430656
PCT Number:	US1430690
PCT Number:	US1430710
PCT Number:	US1430777
PCT Number:	US1430784
PCT Number:	US1430793

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER:	60631.0002-11124
NAME OF SUBMITTER:	STIVENS OVALLE
SIGNATURE:	/s/ Stivens Ovalle
DATE SIGNED:	10/01/2014

Total Attachments: 7

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PATENT SECURITY AGREEMENT

This **PATENT SECURITY AGREEMENT**, dated as of October 1, 2014 (as it may be amended, restated, supplemented or otherwise modified from time to time, this "Agreement"), is made by **TACTUAL LABS CO.**, a Delaware corporation (the "Grantor"), in favor of Alan Bluestine, as agent (in such capacity, together with his successors and permitted assigns, the "Agent") for the Purchasers.

WHEREAS, the Grantor is party to a Note Purchase Agreement, dated as of October 1, 2014 (the "NPA"), between the Grantor, the purchasers named therein and the Agent pursuant to which the Grantor granted a security interest to the Agent in the Patent Collateral (as defined below) and is required to execute and deliver this Agreement.

NOW, THEREFORE, in consideration of the foregoing and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Grantor hereby agrees with the Agent as follows:

SECTION 1. Defined Terms

Unless otherwise defined herein, terms defined in the NPA and used herein have the meaning given to them in the NPA.

SECTION 2. Grant of Security Interest

The Grantor hereby grants to the Agent, for the benefit of the Purchasers, a security interest in all of the Company's right, title and interest in and to all of the following property now owned or at any time hereafter acquired by the Company or in which the Company now has or at any time in the future may acquire any right, title or interest (collectively, the "Patent Collateral"):

- (i) all United States and foreign patents and applications for letters patent throughout the world, including, without limitation, any of the foregoing referred to on Schedule I hereto, and all rights corresponding thereto throughout the world, (ii) all reissues, divisions, continuations, continuations-in-part, extensions, renewals, and reexaminations of any of the foregoing; (iii) the right to sue for past, present and future infringements of any of the foregoing; and (iv) all proceeds of the foregoing, including, without limitation, licenses, royalties, income, payments, claims, damages, and proceeds of suit.

SECTION 3. Security Agreement

The security interest granted pursuant to this Agreement is granted in conjunction with the security interest granted to the Agent for the Purchasers pursuant to the NPA, and the Grantor hereby acknowledges and affirms that the rights and remedies of the Agent with respect to the security interest in the Patent Collateral made and granted hereby are more fully set forth in the NPA, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event that any provision of this Agreement is deemed to conflict with the NPA, the provisions of the NPA shall control.

SECTION 4. Governing Law

THIS AGREEMENT AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES HEREUNDER AND ALL CLAIMS AND CONTROVERSIES ARISING OUT OF THE SUBJECT MATTER HEREOF WHETHER SOUNDING IN CONTRACT LAW, TORT LAW OR OTHERWISE SHALL BE GOVERNED BY, AND SHALL BE CONSTRUED AND ENFORCED IN ACCORDANCE

WITH, THE LAWS OF THE STATE OF NEW YORK, WITHOUT REGARD TO CONFLICTS OF LAW PROVISIONS THAT WOULD RESULT IN THE APPLICATION OF ANY OTHER LAW (OTHER THAN ANY MANDATORY PROVISIONS OF LAW RELATING TO THE LAW GOVERNING PERFECTION AND THE EFFECT OF PERFECTION OF THE SECURITY INTEREST GRANTED HEREBY).

SECTION 5. Counterparts

This Agreement may be executed in one or more counterparts and by different parties hereto in separate counterparts, each of which when so executed and delivered shall be deemed an original, but all such counterparts together shall constitute but one and the same instrument.

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Schedule I

See Attached.

TACTUAL LABS CO.
PATENT PORTFOLIO

Theme	Nickname	Application No.	Filing Date	Priority Date	Title	Status	Inventors
Touch Processing	Touch Stack/TPU	61/710,256	5-Oct-2012		Hybrid Systems and Methods for Low-Latency User Input Processing and Feedback	Filed	Wigdor, Daniel Sanders, Steven Costa, Ricardo Jorge Jota Forlines, Clifton
FMT Sensor	Capacitive & Optical Touch Sensors	13/841,436	15-Mar-2013	15-Mar-2013	Low-Latency Touch Sensitive Device	Filed	Leigh, Darren Wigdor, Daniel
FMT Stylus & Touch Disambiguation	Optical Stylus	61/798,708	15-Mar-2013		Active Optical Stylus	Filed	Leigh, Darren
FMT Noise Mitigation	Phantom Touches	61/798,828	15-Mar-2013		Fast Multi-Touch Noise Reduction	Filed	Forlines, Clifton
FMT Stylus & Touch Disambiguation	FDMA Stylus	61/798,948	15-Mar-2013		Fast Multi-Touch Stylus	Filed	Leigh, Darren
FMT Stylus & Touch Disambiguation	Touch Identification	61/799,035	15-Mar-2013		Fast Multi-Touch Sensor with User-Identification Techniques	Filed	Wigdor, Daniel
Touch Processing & Feedback Architecture	Linked Controls / TPU Design Patterns	61/845,879	12-Jul-2013		Reducing Control Response Latency with Defined Cross-Control Behavior	Filed	Wigdor, Daniel McCanny, Benjamin
FMT Sensor	FMT Post Processing	61/845,892	12-Jul-2013		Fast Multi-Touch Post Processing	Filed	Leigh, Darren
FMT Declaration & Prediction	Hover & Touch Prediction	61/879,245	18-Sep-2013		Systems and Methods for Providing Response to User Input Using Information About State Changes and Predicting Future User Input	Filed	Forlines, Clifton Costa, Ricardo Jorge Jota Wigdor, Daniel
FMT Declaration & Prediction	Hover & Touch Prediction	61/880,987	21-Sep-2013		Systems and Methods for Providing Response to User Input Using Information About State Changes and Predicting Future User Input (Follow-On)	Filed	Forlines, Clifton Costa, Ricardo Jorge Jota Wigdor, Daniel
Touch Processing & Feedback Architecture	Touch Stack/TPU	14/046,819	4-Oct-2013	5-Oct-2012	Hybrid Systems and Methods for Low-Latency User Input Processing and Feedback	Filed	Wigdor, Daniel Sanders, Steven Costa, Ricardo Jorge Jota Forlines, Clifton
Touch Processing & Feedback Architecture	Touch Stack/TPU	14/046,823	4-Oct-2013	5-Oct-2012	Hybrid Systems and Methods for Low-Latency User Input Processing and Feedback	Filed	Wigdor, Daniel Sanders, Steven Costa, Ricardo Jorge Jota Forlines, Clifton

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Touch Processing & Feedback Architecture	Touch Stack/TPU	PCT/US13/693569	4-Oct-2013	5-Oct-2012	Hybrid Systems and Methods for Low-Latency User Input Processing and Feedback	Filed	Wigdor, Daniel Sanders, Steven Costa, Ricardo Jorge Jota Forlines, Clifton
Diagnostics	Testing Device	61/887,615	7-Oct-2013		Touch and Stylus Latency Testing Apparatus	Filed	Leigh, Darren Sanders, Steven Wigdor, Daniel Costa, Ricardo Jorge Jota Forlines, Clifton
FMT Sensor	FMT Post Processing	14/069,609	1-Nov-2013	12-Jul-2013	Fast Multi-Touch Post Processing	Filed	Leigh, Darren
FMT Lower Power & Cost	Lower Power	61/928,069	16-Jan-2014		Fast Multi-Touch Update Rate Throttling	Filed	Leigh, Darren Sanders, Steven Forlines, Clifton
FMT Noise Mitigation	Noise Identification & Modulation	61/930,159	22-Jan-2014		Dynamic Assignment of Possible Channels in a Touch Sensor	Filed	Leigh, Darren Forlines, Clifton Wigdor, Daniel Sanders, Steven
FMT Decimation & Prediction	Decimation	61/932,047	27-Jan-2014		Decimation Strategies for Input Event Processing	Filed	Costa, Ricardo Jorge Jota Forlines, Clifton Wigdor, Daniel Sanders, Steven
Touch Processing & Feedback Architecture	Touch Slack	61/935,674	4-Feb-2014		Low-Latency Visual Response to Input Via Pre-Generation of Alternative Graphical Representations of Application Elements and Input Handling on a Graphical Processing Unit	Filed	Costa, Ricardo Jorge Jota Forlines, Clifton Wigdor, Daniel Sanders, Steven
FMT Lower Power & Cost	Lower Power & Cost	61/935,709	4-Feb-2014		Frequency Conversion in a Touch Sensor	Filed	Leigh, Darren Forlines, Clifton Sanders, Steven
FMT Noise Mitigation	Noise Identification & Modulation	14/216,791	17-Mar-2014	15-Mar-2013	Fast Multi-Touch Noise Reduction	Filed	Forlines, Clifton
FMT Noise Mitigation	Noise Identification & Modulation	PCT/US14/30656	17-Mar-2014	15-Mar-2013	Fast Multi-Touch Noise Reduction	Filed	Forlines, Clifton Leigh, Darren Wigdor, Daniel Sanders, Steven
FMT Stylus & Touch	Optical Stylus	14/216,873	17-Mar-2014	15-Mar-2013	Active Optical Stylus and Sensor	Filed	Leigh, Darren
FMT Stylus & Touch	Optical Stylus	PCT/US14/30690	17-Mar-2014	15-Mar-2013	Active Optical Stylus and Sensor	Filed	Leigh, Darren
FMT Stylus & Touch Disambiguation	FDMA Stylus	14/216,948	17-Mar-2014	15-Mar-2013	Fast Multi-Touch Stylus and Sensor	Filed	Leigh, Darren

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FMT Stylus & Touch Disambiguation	FDMA Stylus	PCT/US14/30710	17-Mar-2014	15-Mar-2013	Fast Multi-Touch Stylus and Sensor	Filed	Leigh, Darren
FMT Stylus & Touch Disambiguation	Touch Identification / User ID	14/217,015	17-Mar-2014	15-Mar-2013	Fast Multi-Touch Sensor with User-Identification Techniques	Filed	Wiggdor, Daniel
FMT Stylus & Touch Disambiguation	Touch Identification / User ID	PCT/US14/30777	17-Mar-2014	15-Mar-2013	Fast Multi-Touch Sensor with User-Identification Techniques	Filed	Wiggdor, Daniel
FMT Sensor	FMT Post Processing	PCT/US14/30784	17-Mar-2014	12-Jul-2013	Fast Multi-Touch Post Processing	Filed	Leigh, Darren
FMT Sensor	Capacitive & Optical Touch Sensors	PCT/US14/30793	17-Mar-2014	15-Mar-2013	Low-Latency Touch Sensitive Device	Filed	Leigh, Darren Wiggdor, Daniel
Latency Testing	Latency Hammer	14/316,177	28-Jun-2014	26-Jun-2014	Latency Measuring and Testing System and Method	Filed	Leigh, Darren Forlines, Clifton Wiggdor, Daniel Sanders, Steven
FMT Stylus & Touch Disambiguation	Touch Identification 2 / User ID 2				Orthogonal Signaling Touch User, Hand and Object Discrimination Systems and Methods	Not Yet Filed	Leigh, Darren Forlines, Clifton Costa, Ricardo Jorge Jota Wiggdor, Daniel Sanders, Steven
Touch Processing & Feedback Architecture	Linked Controls / TPU Design Patterns				Reducing Control Response Latency with Defined Cross-Control Behavior	Not Yet Filed	Wiggdor, Daniel McCanny, Benjamin
Touch Processing & Feedback Architecture	Linked Controls / TPU Design Patterns				Reducing Control Response Latency with Defined Cross-Control Behavior	Not Yet Filed	Wiggdor, Daniel McCanny, Benjamin