# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6755726

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST

# **CONVEYING PARTY DATA**

Name	Execution Date
GPB DEBT HOLDINGS II, LLC	10/30/2020

# **RECEIVING PARTY DATA**

Name:	TACTUAL LABS CO.	
Street Address:	295 MADISON AVENUE	
Internal Address:	SUITE 1402	
City:	NEW YORK	
State/Country:	NEW YORK	
Postal Code:	10017	

## **PROPERTY NUMBERS Total: 64**

Property Type	Number
Patent Number:	9019224
Patent Number:	9507500
Application Number:	14046823
Patent Number:	9158411
Application Number:	14216791
Patent Number:	9235307
Application Number:	15713581
Patent Number:	9710113
Application Number:	14316177
Patent Number:	9632615
Application Number:	14466624
Application Number:	14490363
Application Number:	14599222
Application Number:	14603104
Application Number:	14606903
Application Number:	14614173
Patent Number:	9710116
Application Number:	14812529
Application Number:	14859185

PATENT REEL: 056540 FRAME: 0807

506708907

Property Type	Number
Patent Number:	9529476
Application Number:	14945009
Application Number:	14945051
Application Number:	14945083
Application Number:	14993868
Application Number:	15056805
Application Number:	15056813
Application Number:	15056822
Application Number:	15099179
Application Number:	15162240
Application Number:	15195675
Application Number:	15199395
Application Number:	15200311
Application Number:	15200320
Application Number:	15200642
Application Number:	15221391
Application Number:	15224266
Application Number:	15251859
Application Number:	15263262
Application Number:	15276351
Application Number:	15360039
Application Number:	15422708
Application Number:	15422917
Application Number:	15423094
Application Number:	15475961
Application Number:	15476580
Application Number:	15603702
Application Number:	15606707
Application Number:	15624994
Application Number:	15626611
Application Number:	29601600
Application Number:	15687401
Application Number:	15690234
Application Number:	15690242
PCT Number:	US2017050547
PCT Number:	US2017036487
Application Number:	62428862
Application Number:	62464787

Property Type	Number
Application Number:	62473908
Application Number:	62488753
Application Number:	62521394
Application Number:	62521397
Application Number:	62521671
Application Number:	62533405
Application Number:	62540458

#### **CORRESPONDENCE DATA**

#### Fax Number:

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.

Email: Legal@TactualLabs.com
Correspondent Name: TACTUAL LABS CO.
Address Line 1: 295 MADISON AVENUE

Address Line 2: SUITE 1402

Address Line 4: NEW YORK, NEW YORK 10017

ATTORNEY DOCKET NUMBER:	TLC
NAME OF SUBMITTER:	CATHERINE M. UPDEGRAFF
SIGNATURE:	/Catherine M. Updegraff/
DATE SIGNED:	06/10/2021

#### **Total Attachments: 45**

source=GPB\_ReleaseSecurityInterest#page1.tif source=GPB ReleaseSecurityInterest#page2.tif source=GPB ReleaseSecurityInterest#page3.tif source=GPB ReleaseSecurityInterest#page4.tif source=GPB ReleaseSecurityInterest#page5.tif source=GPB ReleaseSecurityInterest#page6.tif source=GPB ReleaseSecurityInterest#page7.tif source=GPB ReleaseSecurityInterest#page8.tif source=GPB ReleaseSecurityInterest#page9.tif source=GPB ReleaseSecurityInterest#page10.tif source=GPB ReleaseSecurityInterest#page11.tif source=GPB ReleaseSecurityInterest#page12.tif source=GPB ReleaseSecurityInterest#page13.tif source=GPB\_ReleaseSecurityInterest#page14.tif source=GPB ReleaseSecurityInterest#page15.tif source=GPB ReleaseSecurityInterest#page16.tif source=GPB ReleaseSecurityInterest#page17.tif source=GPB\_ReleaseSecurityInterest#page18.tif source=GPB ReleaseSecurityInterest#page19.tif source=GPB ReleaseSecurityInterest#page20.tif source=GPB ReleaseSecurityInterest#page21.tif



#### RELEASE OF INTELLECTUAL PROPERTY SECURITY INTEREST

This Release of intellectual Property Security Interest ("Release") is made and effective as of October 30, 2020 and granted by GPB DEBT HOLDINGS II, LLC, a Delaware limited liability company, having a place of business at 535 West 24<sup>th</sup> Street, 4<sup>th</sup> Floor, New York, NY 10011 ("Secured Party"), in favor of Tactual Labs Co., a Delaware corporation, having a place of business at 295 Madison Ave., Suite 1402, New York, NY 10017 ("Owner").

#### RECITALS

- A. Pursuant to the Security Agreement dated October 6, 2017, between the Secured Party and Owner, Owner granted to the Secured Party a security interest in certain intellectual property and applications therefor listed in Exhibits A, B and C, attached hereto and made a part hereof, together with the registrations thereof and other applications filed with respect to the inventions covered thereby, or as a continuation-in-part, or division of any application mentioned above, or for reissue of any patent mentioned above or granted on any application mentioned above (collectively, the "Collateral").
- B. A Memorandum of Patent Security Interest dated October 6, 2017, that memorialized the Security Agreement together with its Exhibit A was recorded with the United States Patent and Trademark Office at Reel 044570, Frame 0619 on October 20, 2017.
- C. Owner has fully satisfied the conditions required to remove the Secured Party's security interest.
- D. Secured Party makes this Release to effectuate, evidence and record the release and reassignment to the Owner of any and all right, title and interest the Secured Party may have in the Collateral pursuant to the Security Agreement.

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Secured Party hereby states as follows:

- 1. **Release of Security Interest**. The Secured Party, and its successors, legal representatives and assigns, hereby terminates the Security Agreement and terminates, releases and discharges any and all security interests that it has pursuant to the Security Agreement in any and all right, title and interest of Owner, and reassigns to the Owner any and all right, title and interest that it may have, in, to and under the following Collateral:
  - (a) Any and all copyrights, copyright applications and registrations, and like protections in each work of authorship, whether registered or unregistered and whether published or unpublished, including the copyright registrations and applications listed on Exhibit A attached hereto (if any), (identified as they existed at the time of assignment) and all renewals of any of the foregoing, all income, royalties, damages and payments now and hereafter due and/or payable under or with respect to any of the foregoing, including, without limitation, damages and payments for past, present and future infringements of any of the foregoing and the right to sue for past, present and future infringements of any of the foregoing;

1

- (b) Any and all patents, patent applications and other patent rights and any other governmental authority-issued indicia of invention ownership, including the patents and patent applications listed on <u>Exhibit A</u> attached hereto (if any), (identified as they existed at the time of assignment) and all reissues, divisions, continuations, renewals, extensions and continuations-in-part of any of the foregoing, and all income, royalties, damages and payments now or hereafter due and/or payable under or with respect to any of the foregoing, including, without limitation, damages and payments for past, present and future infringements of any of the foregoing and the right to sue for past, present and future infringements of any of the foregoing;
- (c) Any and all trademarks, service marks, trade names, brand names, logos, trade dress, design rights and other similar designations of source, whether registered or unregistered, including the trademark registrations and applications listed in <a href="Exhibit C">Exhibit C</a> attached hereto (if any), (identified as they existed at the time of assignment) together with the goodwill connected with the use thereof and symbolized thereby and all extensions and renewals thereof, and all income, royalties, damages and payments now or hereafter due and/or payable under or with respect to any of the foregoing, including, without limitation, damages and payments for past, present and future infringements of any of the foregoing and the right to sue for past, present and future infringements of any of the foregoing; and
  - (d) Any other Intellectual Property.
- 2. Further Assurances. The Secured Party agrees to take all further actions, and provide to Owner and its successors, assigns and legal representatives all such cooperation and assistance, including, without limitation, the execution and delivery of any and all further documents or other instruments, as Owner and its successors, assigns and legal representatives may reasonably request in order to confirm, effectuate or record this Release.
- 3. **Governing Law**. This Release and any claim, controversy, dispute or cause of action (whether in contract, tort, or otherwise) based upon, arising out of or relating to this Release and the transactions contemplated hereby shall be governed by, and construed in accordance with, the laws of the United States and the State of New York, without giving effect to any choice or conflict of law provision or rule (whether of the State of New York or any other jurisdiction).
- 4. **Defined Terms.** Capitalized terms not otherwise defined herein shall have the meanings set forth in the Security Agreement.

IN WITNESS WHEREOF, the Secured Party has caused this Release to be duly executed and delivered by its office thereunto duly authorized as of the date first above written.

GPB DEBT HOLDINGS II, LLC

By: Rob Climics

Name: Rob Chmiel

Title: Interim CEO

## Exhibit A

The Company owns copyright rights in its software and related documentation, specifications and test scripts and other similar material (excluding TPU Software to the extent subject to an open source license provides otherwise).

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# Exhibit B

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Utility	
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Publication No. US-2014-0139456-A US-2014-0139456-A US-2014-0139456-A US-2015-0261347-A US-2015-0261347-A US-2015-0261347-A US-2015-0261347-A US-2015-0301577-A US-2015-0301651-A US-2015-0301651-A US-2015-0301651-A US-2016-0188085-A US-2016-0188085-A US-2016-0188088-A US-2016-0188088-A US-2016-0188088-A US-2017-0024061-A US-2017-0075441-A	5

Heterogenous Sensing Apparatus and Methods
Derivation and Experimental Validation of Physics-Based Equivalent Circuits for Capacitive Touch Panels
6 DOF Tracking of Objects Using FMT Sensors
Reverse Kinematics to Reconstruct Thumb Movement in VR
Apparatus and Methods for Enhanced Digit Separation and Reproduction
Noise Mitigation for Frequency Domain Sensor

Pending	Pending	Pending	Pending	Pending	Pending
Provisional	Provisional	Provisional	Provisional	Provisional	Provisional
62,540,458	62/533,405	62/521,671	62/521,397	62/521,394	62/488,753
8/2/2017	7/17/2017	6/19/2017	6/17/2017	6/17/2017	4/22/2017

#### Exhibit C

- 1. The attached 38 pages are part of this Schedule C.
- 2. The Company has certain common-law rights in four trademarks since as early as 2012. The Company has filed four intent-to-use (ITU) applications for USPTO registration of these trademarks in international classes 9 and 42.
  - T stylized and/or with design (Serial Number: 86534093)
  - TACTUAL LABS stylized and/or with design (Serial Number: 86534090)
  - TACTUAL standard characters (Serial Number: 86534091)
  - TACTUAL stylized and/or with design (Serial Number: 86534094)

1368372-v5\NYCDMS

TACTUAL	T (STYLIZED)	Mark Name
Austria	Australia	Country
Application	Registered	Status A <sub>I</sub>
14453609 2015-08-10 9	1713178 2015-08-10 9,42	Application Number Filed Date
-10 9	-10 9,42	International Classes
9 - Computer cursor control devices, namely, track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; gip sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers and computer hardware for controllers; computer software for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers.	9 - Computer cursor control devices, namely, track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers; computer software for latency reduction for controllers; computer software and computer hardware; devices computer hardware for latency reduction for graphical user interfaces and controllers.  42 - Design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software and hardware for computer cursor control devices, controllers, design and development of software and hardware for determination of position, movement, gestures, and orientation on a user interface, latency reduction for computer cursor control devices and for user interfaces and computer software for input source discrimination on a user interface.	Class Description
<b>-</b> w ¬	or : 1713178	Registration Number Registration Date
	2015-08-10	ration Date

TACTUAL (STYLIZED)	TACTUAL
Brazil	Brazil
Published	Published
909821828 2015-08-12 9,42	909822441 2015-08-12-42
9 - Computer cursor control devices, namely track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer controllers and computer hardware for controllers; computer software for latency reduction for computer cursor control devices; computer hardware and computer hardware for latency reduction for graphical user interfaces and controllers 42 - Design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software and hardware for computer cursor control devices, controllers; design and development of software and hardware for computer cursor control devices and for user interface, latency reduction for computer cursor control devices and for user interface, latency reduction for computer cursor control devices and for user interfaces and computer software for input source discrimination on a user interface and computer software for input source intent to Use: The applicant has a bona fide intention to use or use through the applicant's related company	42 - Design and development of computer hardware; Project and Development of a computer program (software); Design and development of Computer software and computer hardware and software to Computer cursors control devices; Design and development of programs Computer (software) for control of cursors; Design and development of programs Software and computer hardware for the determination of Position, movement, gestures and orientation in a user interface, latency reduction For computer cursors control device and graphical user interfaces and Controllers; Design and development of sensors and computer programs (software) For entry of discrimination source in a user interface

or licensee the mark in commerce on or in

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90	90	90
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2015-08-12 42	15-08-1	2015-08-12-42
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Developme Design and Computer s software to Computer of Controllers of Computer of Compute	9 - Computer cursor control devices, namely track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers and computer hardware for controllers; computer software for latency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers.	42 - Design and development of computer hardware; design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software for cursor control; design and development of software for cursor control; design and development of software and hardware for determination of position, movement, gestures, and orientation on a user interface, latency reduction for computer cursor control devices and for user interfaces and controllers, design and development of sensors and computer software for input source discrimination on a user interface
Development of a computer program (software); Design and development of Computer software and computer hardware and software to Computer cursors control devices; Design and development of programs Computer (software) for control of cursors; Design and development of programs Software and computer hardware for the determination of Position, movement, gestures and orientation in a user interface, latency reduction For computer cursors control device and graphical user interfaces and Controllers; Design and development of sensors and computer programs (software) For entry of discrimination source in a user interface	9 - Computer cursor control devices, namely track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers and computer hardware for controllers; computer software for latency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers.	42 - Design and development of computer hardware; design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software for cursor control; design and development of software for cursor control; design and development of software and hardware for determination of position, movement, gestures, and orientation on a user interface, latency reduction for computer cursor control devices and for user interfaces and controllers, design and development of sensors and computer software for input source discrimination on a user interface
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42 - Design and development of computer hardware; source discrimination on a user interface; computer software for controllers and computer hardware for orientation on a user interface, latency reduction for and development of software for cursor control; design computer cursor control devices, controllers; design and computer hardware for latency reduction for computer cursor control devices; computer software controllers; computer software for latency reduction for interface; sensors and computer software for input movement, gestures, and orientation on a user 9 - Computer cursor control devices, namely track sensors and computer software for input source interfaces and controllers, design and development of computer cursor control devices and for user

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computer cursor control devices and for user interfaces and controllers, design and development of sensors and computer software for input source discrimination on a user interface	computer cursor control devices, controllers; design and development of software for cursor control; design and development of software and hardware for determination of position, movement, gestures, and orientation on a user interface, latency reduction for	and computer hardware for latency reduction for graphical user interfaces and controlles: 42 - Design and development of computer hardware; design and development of computer software; design and development of software and hardware for	interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers and computer hardware for controllers; computer software for latency reduction for computer cursor control devices; computer software	9 - Computer cursor control devices, namely track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user
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Canada

Application

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TACTUAL (STYLIZED)	T (STYLIZED)
China	Canada
Registered	Application
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17647038A 2016-10-14	

T (STYLIZED)	TACTUAL	TACTUAL (STYLIZED)
China	China	China
Registered	Registered	Application
17646678A 2015-08-12 9	17647039 2015-08-12 42	17647038 2015-08-12 9
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17646678A	17647039	
2016-10-14	2016-09-28	

T (STYLIZED)	T (STYLIZED)	TACTUAL
China	China	China
Application	Application	Registered
17646677 2015-08-12-42	17646678 2015-08-12-9	17646676 2015-08-12 9
42 - Design and development of computer hardware; design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software for cursor control; design and development of software for cursor control; design and development of software and hardware for determination of position, movement, gestures, and orientation on a user interface, latency reduction for computer cursor control devices and for user interfaces and controllers, design and development of sensors and computer software for input source discrimination on a user interface	9 - Computer cursor control devices; computer peripheral devices; mouse [date processing equipment]; video screens; electric or electronic sensors; proximity sensors; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers and computer hardware for computer cursor control devices; computer software and computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers.	9 - Computer cursor control devices, namely, track pads, panels; computer peripheral devices; mouse [date processing equipment]; video screens; electric or electronic sensors; proximity sensors; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for interface; sensors and computer refrace; computer software for controllers and computer hardware for controllers; computer software for controllers; computer software for computer cursor control devices; computer software and computer hardware for graphical user interfaces and controllers.
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TACTUAL	T (STYLIZED)	TACTUAL (STYLIZED)
Denmark	China	China
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9 - computer software for input source discrimination on a user interface; computer software for controllers; computer software for latency reduction for computer VR201700526 cursor devices; computer software for latency reduction for graphical user interfaces and controllers.	9 - Computer cursor control devices; computer software for input source discrimination on a user interface; computer software for controllers and computer hardware for controllers; computer software for latency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers; computer peripheral devices; mouse [date processing equipment]	42 - Design and development of computer hardware; design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software for cursor control; design and development of software for cursor control; design and development of software and hardware for determination of position, movement, gestures, and orientation on a user interface, latency reduction for computer cursor control devices and for user interfaces and controllers, design and development of sensors and computer software for input source discrimination on a user interface.
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	and		
	computer cursor control devices; computer software		
	for		
	controllers; computer software for latency reduction		
	hardware for		
	computer software for controllers and computer		
	interface;		
	software for input source discrimination on a user		
	orientation on a user interface; sensors and computer		
	determination of position, movement, gestures, and		
	sensors; grip sensors; optical sensors; sensors for		
	sensors; proximity		

2016-01-11

gestures, and orientation on a user interface, latency reduction

hardware for determination of position, movement,

computer cursor control devices and for user interfaces and controllers, design and development of sensors and

cursor control; design and development of software

T (STYLIZED)

European Union IPO

Registered

PATENT REEL: 056540 FRAME: 0828

9 - Computer cursor control devices, namely, track pads, styli, panels and screens; electric or electronic

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and orientation for computer cursuinterfaces and controllers, de-	cursor or and hardwan	of software devices, co	compute 42 - Des design ar and deve	tor compute and	compute hardware controlle	orientation software	pads, sty pads, sty sensors; sensors;	2
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9 - Computer cursor control devices, namely, track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers and computer hardware for controllers; computer software for interface; computer software computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers.	9 - Computer cursor control devices, namely, track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers and computer hardware for controllers; computer software for latency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers.	9 - optical sensors 42 - Design and development of computer hardware; design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software for cursor control; design and development of software and hardware for determination of position, movement, gestures, and orientation on a user interface, latency reduction for computer cursor control devices and for user interfaces and computers, design and development of sensors and computer software for input source discrimination on a user interface.
er cursor of panels and oximity see on of position on a user on a user on a user rinput sou omputer so ardware for reduction of mputer so omputer so ardware for reduction of the reduction of reduction of the reduction of reduction of the	uter cursor control devices, namely, track it, panels and screens; electric or electronic proximity sensors; grip sensors; sensors to ation of position, movement, gestures, and n on a user interface; sensors and comput for input source discrimination on a user computer software for controllers and hardware for controllers; computer software to computer cursor control somputer software and computer inardware software and computer inardware software and computer inardware software and computer inardware y reduction for graphical user interfaces and s.	I sensors I sensors Id evelopment of computer hardward development of computer software; design and hardware for computer cursor controllers; design and development of for ontrollers; design and development of software for determination of position, movement, of or determination of position, movement, and training and development of sensors and resign and development of sensors and resoftware for input source discrimination.
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tuter cursor control devices, namely, track i, panels and screens; electric or electronic proximity sensors; gip sensors; sensors for ation of position, movement, gestures, and non a user interface; sensors and computer for input source discrimination on a user computer software for controllers and hardware for controllers; computer software hardware for computer control y reduction for computer computer hardware and computer hardware by reduction for graphical user interfaces and s.	uter cursor control devices, namely, track i, panels and screens; electric or electronic proximity sensors; grip sensors; sensors for atton of position, movement, gestures, and n on a user interface; sensors and computer for input source discrimination on a user computer software for controllers and hardware for controllers; computer software y reduction for computer cursor control computer software and computer hardware software and computer hardware y reduction for graphical user interfaces and s.	r hardware vare; designers controller of software f software by reduction ser
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9 - Computer cursor control devices, namely track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; or piscal sensors; proximity sensors; sprison on a user interface; sensors for determination of position, movement, gestures, and computer software for input source discrimination on a user interface; computer software for controllers; computer software for controllers; computer software for computer radware for latency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers 42 - Design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software and hardware for determination of position, movement, gestures, and orientation on a user interface, latency reduction for computer cursor control devices and for user interfaces and computer software for input source discrimination on a user interface, latency reduction for computer cursor control devices and for user interfaces and computer software for input source discrimination on a user interface, latency reduction for sensors and computer software for input source discrimination on a user interface.	9 - Computer cursor control devices, namely, track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers and computer hardware for controllers; computer software for latency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers.
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and controllers, design and development of id computer software for input source tion on a user interface	vernerit, gestures, and s, latency reduction for es and for user	for cursor control; design and hardware for	omputer software; design and hardware for es, controllers; design		es; computer software tency reduction for	on interface, computer omputer hardware for or latency reduction for	intation on a user ter software for input	is; electric or electronic ip sensors; optical ation of position
interfaces and controllers, design and developm sensors and computer software for input source discrimination on a user interface	determination of position, movement, gestures, and orientation on a user interface, latency reduction for computer cursor control devices and for user	and development of software for cursor control; design and development of software and hardware for	design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design	graphical user interfaces and controllers 42 - Design and development of computer hardware:	computer cursor control devices; computer software and computer hardware for latency reduction for	source discrimination on a user interface, computer software for controllers and computer hardware for controllers; computer software for latency reduction for	movement, gestures, and orientation on a user interface; sensors and computer software for input	pads, styli, panels and screens; electric re- sensors; proximity sensors; grip sensors; optical sensors: sensors for determination of notition
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orientation on a user interface. Interpretation of computer cursor control devices and for user interfaces and controllers, design and development of sensors and computer software for input source discrimination on a user interface	design and development of computer software; design and development of software and hardware for and development of software and hardware for computer cursor control devices, controllers; design and development of software for cursor control; design and development of software and hardware for and development of software and hardware for determination of mostliken programment controls.	software for controllers and computer hardware for controllers; computer software for latency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controller.	9 - Computer cursor control devices, namely track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer
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sensors and computer sommare for input source discrimination on a user interface Interface Interface Interface Interface Interface applicant has a bona fide into use or use through the applicant is related cor or licensee the mark in commerce on or in	orientation on a user interface, latency reduction for computer cursor control devices and for user interfaces and controllers, design and development of	computer cursor control devices, controllers; design and development of software for cursor control; design and development of software and hardware for determination of position movement destures and determination of position movement destures and	elopment of softw	computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers  42. Design and development of computer hardware:	source discrimination on a user interface; computer software for controllers and computer hardware for controllers; computer software for latency reduction for	rs for deter stures, and ors and cor	9 - Computer cursor control devices, namely track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; optical
tware for literface ant has a b applicant's appricant's	face, laten evices and design an	evices, cor are for cur are and ha	of compute are and ha	evices; cor or latency r and control	user inter d compute ware for lat	mination corientation orientation	ol devices, eens; elec s; grip sen
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sensors and computer someare for input source discrimination on a user interface Intent to Use: The applicant has a bona fide intention to use or use through the applicant's related company or licensee the mark in commerce on or in	on for ment of	design	design	vare:	uter for tion for	put	il ronic
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design and development of computer software; design graphical user interfaces and controllers
42 - Design and development of computer hardware; source discrimination on a user interface; computer software for controllers and computer hardware for sensors; proximity sensors; grip sensors; optical sensors; sensors for determination of position, orientation on a user interface, latency reduction for and development of software and hardware for and development of software for cursor control; design computer cursor control devices, controllers; design and development of software and hardware for and computer hardware for latency reduction for computer cursor control devices; computer software controllers; computer software for latency reduction for interface; sensors and computer software for input movement, gestures, and orientation on a user pads, styli, panels and screens; electric or electronic 9 - Computer cursor control devices, namely track discrimination on a user interface sensors and computer software for input source interfaces and controllers, design and development of computer cursor control devices and for user determination of position, movement, gestures, and

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Application	Application
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2015-08-10 9	2015-08-10 9,42
9 - Computer cursor control devices, namely, track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers and computer archaevare for controllers and computer hardware for controllers; computer software for latency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers.	9 - Computer cursor control devices namely track pads, styli, panels and screens; electric or electronic sensors; portical sensors; postimity sensors; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers and computer software for computer software for computer software for latency reduction for computer hardware for latency reduction for graphical user interfaces and computer software; design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software and hardware for computer cursor control devices, controllers; design and development of software and hardware for determination of position, movement, gestures, and orientation on a user interface, latency reduction for computer cursor control devices and for user interfaces and computer software for input source discrimination on a user interface.

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reduction for computer cursor control devices and for user interfaces and controllers; Design and development of user interface computer input devices and computer software for information exchange between human and machines	computer software for cursor control; Design and development of computer software and computer and computer software and computer hardware for determination of position, movement, gestures, and orientation on a user interface, latency	22 - Design and development of computer transware;     Design and development of computer software;     Design and development of computer software;     Design and development of computer software and computer hardware for computer cursor control     Actions and software to computer software.	information exchange between human and machines; Computer software for controllers and computer hardware for controllers; Computer software for latency reduction for computer cursor control devices; Computer software and computer hardware for latency	9 - Computer input devices for controlling computer cursors; track pads, styli, computer display panels and screents; Electric or electronic sensors; Proximity sensors; Pressure measuring sensor; Optical sensors; Sensors for determining position; User interface computer input devices and computer software for

between human and machines
and computer software for information exchange
development of user interface computer input devices
user interfaces and controllers; Design and
reduction for computer cursor control devices and for
gestures, and orientation on a user interface, latency
hardware for determination of position, movement,
development of computer software and computer
computer software for cursor control; Design and
devices, controllers; Design and development of
computer hardware for computer cursor control
Design and development of computer software and
Design and development of computer software;
<ul><li>42 - Design and development of computer hardware;</li></ul>
reduction for graphical user interfaces and controllers.
Computer software and computer hardware for latency
latency reduction for computer cursor control devices;
hardware for controllers; Computer software for
Computer software for controllers and computer
information exchange between human and machines;
computer input devices and computer software for
Sensors for determining position; User interface
sensors; Pressure measuring sensor; Optical sensors;
screens; Electric or electronic sensors; Proximity
cursors; track pads, styli, computer display panels and
<ul><li>9 - Computer input devices for controlling computer</li></ul>

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development of user interfa and computer software for between human and machi	reduction for computer curs	hardware for determination gestures, and orientation o	development of computers	devices, controllers; Design	computer hardware for con	Design and development of Design and development of Design and development of Design and development of the Design and Desig	reduction for graphical user 42 - Design and developm	latency reduction for complete computer software and con	Computer software for controllers; Co	information exchange betw	Sensors for determining po	screens; Electric or electro sensors; Pressure measuri	<ul><li>9 - Computer input devices cursors; track pads, styli, o</li></ul>
development of user interface computer and computer software for information e between human and machines	reduction for computer cursor control de user interfaces and controllers: Design a	hardware for determination of position, n gestures, and orientation on a user inter	development of computer software and	devices, controllers; Design and develop computer software for cursor control. De	computer hardware for computer cursor	Design and development of computer so	reduction for graphical user interfaces an 42 - Design and development of compu	attency reduction for computer cursor co Computer software and computer hardw	computer sonware for controllers and or hardware for controllers; Computer softy	information exchange between human a	Sensors for determining position; User in computer input devices and computer so	screens; Electric or electronic sensors; Pressure measuring sensor; O	<ul> <li>9 - Computer input devices for controlling cursors; track pads, styli, computer displ</li> </ul>
development of user interface computer input devices and computer software for information exchange between human and machines	reduction for computer cursor control devices and for user interfaces and controllers: Design and	nardware for determination of position, movement, gestures, and orientation on a user interface, latency	development of computer software and computer	devices, controllers; Design and development of computer software for cursor control: Design and	computer hardware for computer cursor control	Design and development of computer software:  Design and development of computer software and	reduction for graphical user interfaces and controllers 42 - Design and development of computer hardware;	latency reduction for computer cursor control devices: Computer software and computer hardware for latence	computer sonware for controllers and computer hardware for controllers; Computer software for	information exchange between human and machines	Sensors for determining position: User interface computer input devices and computer software for	screens; Electric or electronic sensors; Proximity sensors; Pressure measuring sensor; Optical sensors	9 - Computer input devices for controlling computer cursors; track pads, styli, computer display panels and
development of user interface computer input devices and computer software for information exchange between human and machines	reduction for computer cursor control devices and for user interfaces and controllers: Design and	hardware for determination of position, movement, gestures, and orientation on a user interface, latency	development of computer software and computer	devices, controllers; Design and development of computer software for cursor control: Design and	computer hardware for computer cursor control	Design and development of computer software;  Design and development of computer software and	reduction for graphical user interfaces and controllers 42 - Design and development of computer hardware;	latency reduction for computer cursor control devices; Computer software and computer hardware for latency	computer somere for controllers and computer hardware for controllers; Computer software for	information exchange between human and machines;	Sensors for determining position; User interface computer input devices and computer software for	screens; Electric or electronic sensors; Proximity sensors; Pressure measuring sensor; Optical sensors;	<ul><li>9 - Computer input devices for controlling computer cursors; track pads, styli, computer display panels and</li></ul>
development of user interface computer input devices and computer software for information exchange between human and machines	reduction for computer cursor control devices and for user interfaces and controllers: Design and	hardware for determination of position, movement, gestures, and orientation on a user interface, latency	development of computer software and computer	devices, controllers; Design and development of computer software for cursor control: Design and	computer hardware for computer cursor control	Design and development of computer software;  Design and development of computer software and	reduction for graphical user interfaces and controllers 42 - Design and development of computer hardware;	latency reduction for computer cursor control devices:  Computer software and computer hardware for latency	Computer sonware for controllers and computer hardware for controllers; Computer software for	information exchange between human and machines;	Sensors for determining position; User interface computer input devices and computer software for	screens; Electric or electronic sensors; Proximity sensors; Pressure measuring sensor; Optical sensors;	<ul> <li>9 - Computer input devices for controlling computer cursors; track pads, styli, computer display panels and</li> </ul>

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design and development of computer software; design	<ul><li>42 - Design and development of computer hardware;</li></ul>	controllers	for latency reduction for graphical user interfaces and	devices; computer software and computer hardware	ior latericy reduction compater carsor control

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9 - Track pads, styli, display panels for computers, computer screens; electric sensors; electronic sensors; proximity sensors; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors for input source discrimination discrimination on a on a user interface, computer software for input source user interface; computer software for controllers and

computer hardware for controllers; computer software for latency reduction for computer cursor control 45-0066262

computer cursor control devices, controllers; design and development of software for cursor control; design and development of software and hardware for computer cursor curso computer cursor control devices and for user orientation on a user interface, latency reduction for determination of position, movement, gestures, and and development of software and hardware for sensors and computer software for input source interfaces and controllers, design and development of

discrimination on a user interface

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sensors and computer software for input source discrimination on a user interface	orientation on a user interface, latericy reduction for computer cursor control devices and for user interfaces and controllers, design and development of	and development of software and hardware for determination of position, movement, gestures, and	development of softwa	gn and development of development of software	user interfaces and controllers 45 42 - Design and development of computer hardware;	computer software for latency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical	discrimination on a user interface; computer software for controllers and computer hardware for controllers; and computer hardware for controllers;	interface; sensors for input source discrimination on a user interface; sensors for input source discrimination on a	9 - Frack pads, styll, display panels for computers, computer screens; electric sensors, electronic sensors; proximity sensors; grip sensors; optical sensors opposed for determination of a facilities.

TACTUAL	TACTUAL (STYLIZED)
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Mexico	Korea, Republic of (KR)
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1643588	45-2015-0007417
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9 - Computer cursor control devices, namely track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers and computer hardware for controllers and computer tradware for controllers control devices; computer software and computer suffware for latency reduction for computer tursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers	9 - Track pads, styli, display panels for computers, computer screens; electric sensors, electronic sensors; proximity sensors; grip sensors; optical sensors; proximity sensors; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors for input source discrimination on a user interface; computer software for input source discrimination on a user interface; computer software for controllers; computer hardware for controllers; computer rursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers. 42 - Design and development of computer software; design and development of software and hardware for cursor control devices, controllers; design and development of software and hardware for determination on a user interface, latency reduction for computer cursor control devices and for user interfaces and controllers, design and development of software and hardware for determination on a user interface, latency reduction for computer cursor control devices and for user interfaces and controllers, design and development of sensors and controllers.
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TACTUAL (STYLIZED)	T (STYLIZED)
Mexico	Mexico
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1643591 2015-08-11 42	1643589 2015-08-11 42
42 - Design and development of computer hardware; design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software for cursor control; design and development of software for cursor control; design and development of software and hardware for determination of position, movement, gestures, and orientation on a user interface, latency reduction for computer cursor control devices and for user interfaces and controllers, design and development of sensors and computer software for input source discrimination on a user interface	42 - Design and development of computer hardware; design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software for cursor control; design and development of software for cursor control; design and development of software for cursor control experience, and orientation on a user interface, latency reduction for computer cursor control devices and for user interfaces and controllers, design and development of sensors and computer software for input source discrimination on a user interface.  9 - Computer cursor control devices, namely track pads; styli, panels and screens; electric or electronic sensors; proximity sensors; girp sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers; computer software for latency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers
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14453	1643	1643590
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-08-10 9	-08-11 42	2015-08-11 9
9 - Comput pads, styli, sensors; prodetermination orientation software to interface; o computer h for latency devices; co for latency controllers.	42 - Desi design ar and deve computer and deve and deve and deve determina orientatio computer interfaces sensors a	9 - Comp pads, sty sensors; sensors; movemen interface; source di software controller computer and comp graphical
9 - Computer cursor control devices, namely, track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers and computer hardware for controllers; computer software for altency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers.	42 - Design and development of computer hardware; design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software for cursor control; design and development of software for cursor control; design and development of software and hardware for determination of position, movement, gestures, and orientation on a user interface, latency reduction for computer cursor control devices and for user interfaces and controllers, design and development of sensors and computer software for input source discrimination on a user interface	9 - Computer cursor control devices, namely track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; optical sensors; proximity sensors; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers and computer hardware for controllers; computer software for latency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers
control des nd screens ensors; grit sittion, mover i interface; runce discrii software fo for controlli for computoffware and offware and offwar	elopment of conment of consoftware a software a stoftware for software for software as sitton, mover interface, throl device collers, designates of the software as sitton that software as sitton that software the	control de nd screens ensors; griţ determina s, and orien nd compute n on a user ers and cor ers and cor ers affware throl device ware for late vare for late vare and cor aces and co
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electronic sensors for ures, and d computer a user s and ter software tontrol hardware and arfaces and	hardware; ware; desig ve for st; design ntrol; design ures, and uction for ser elopment o ource	sly track electronic optical tion, user for input computer lware for reduction for r software ion for
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 determination of position, movement, gestures, and	and development of software and hardware for	and development of software for cursor control; design	computer cursor control devices, controllers; design	and development of software and hardware for	design and development of computer software; design	42 - design and development of computer hardware;	grapriicar doct interfaces and controllers

interfaces and controllers, design and development of orientation on a user interface, latency reduction for

sensors and computer software for input source computer cursor control devices and for user

discrimination on a user interface

TACTUAL

pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; optical sensors; sensors for determination of position, source discrimination on a user interface; computer software for controllers and computer hardware for and computer hardware for latency reduction for computer cursor control devices; computer software controllers; computer software for latency reduction for interface; sensors and computer software for input movement, gestures, and orientation on a user 9 - computer cursor control devices, namely, track graphical user interfaces and controllers esign and development of computer hardware; and development of computer software; design velopment of software and hardware for

**PATENT** 

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2016-08-01

REEL: 056540 FRAME: 0845

nd development of input source	or d				
interfaces and controllers, design and development of sensors and computer software for input source discrimination on a user interface	and development of software and hardware for determination of position, movement, gestures, and orientation on a user interface, latency reduction for computer cursor control devices and for user	42 - design and development of computer hardware: design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software for cursor control design	controllers; computer software for latency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers	sensors; sensors for determination of position, sensors; sensors and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers and computer hardware for	9 - computer cursor control devices, namely, track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; optical
			2015725056 2015-08-11 9.42		
			Registered 20157250		
			Russian Federation		

sensors and computer software for input source discrimination on a user interface	interfaces and controllers, design and development of	computer cursor control devices and for user	orientation on a user interface, latency reduction for	determination of position, movement, gestures, and	and development of software and hardware for	and development of software for cursor control; design	computer cursor control devices, controllers; design	and development of software and hardware for	design and development of computer software; design	42 - design and development of computer hardware;	graphical user interfaces and controllers	and computer hardware for latency reduction for	computer cursor control devices; computer software	controllers; computer software for latency reduction for	software for controllers and computer hardware for	source discrimination on a user interface; computer	interface; sensors and computer software for input	movement, gestures, and orientation on a user	sensors; sensors for determination of position,	sensors; proximity sensors; grip sensors; optical	pads, styli, panels and screens; electric or electronic	9 - computer cursor control devices, namely, track	

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2016-08-01

TACTUAL (STYLIZED)

Russian Federation

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inter sens disci	orier	and	desi and com	grap 42 -	com	sour	sens mov	9 - Con pads, s senson
taces and contro sors and compute fimination on a u	ntation on a user	development of development of	gn and developn development of : buter cursor con	hical user interfa Design and dev	rollers; computer puter cursor con	ce discrimination vare for controlle	sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for in	<ul> <li>Gomputer cursor control devices, namely track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; optical</li> </ul>
ilers, design and er software for in ser interface	interface, latend trol devices and	software for curs	nent of computer software and har trol devices, con	loes and controll elopment of con	r software for late trol devices; con are for latency re	on a user interiors and computer	s; sensors for determination of position, ent, gestures, and orientation on a user be sensors and computer software for input	nputer cursor control devices, namely track styli, panels and screens; electric or electrors; proximity sensors; grip sensors; optical
interraces and controllers, design and development of sensors and computer software for input source discrimination on a user interface	y reduction for for user	and development of software for cursor control; design and development of software and hardware for description of software and hardware for the software for	'sottware; design dware for trollers; design	ers puter hardware;	ancy reduction for puter software	ace; computer hardware for	position, on a user ware for input	namely track ric or electronic ors; optical
		<b>-</b>	3	40201513919T	7			
				Ŧ				

interfaces and controllers, design and development of sensors and computer software for input source discrimination on a user interface Intent to Use: The applicant has a bona fide intention to use or use through the applicant's related company or licensee the mark in commerce on or in	and development of software and hardware for computer cursor control devices, controllers; design and development of software for cursor control; design and development of software and hardware for determination of position, movement, gestures, and orientation on a user interface, latency reduction for computer cursor control devices and for user.	software for controllers and computer hardware for controllers; computer software for latency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers  42 - Design and development of computer hardware; design and development of computer software; design and development of computer software;	9 - Computer cursor control devices, namely track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer
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TACTUAL (STYLIZED)

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ТАСТИАL	T (STYLIZED)
Spain	Singapore
Registered	Registered 400
3632196 2015-08-10 9	40201513917Q 2015-08-11 9,42
9 - Computer cursor control devices, namely, track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; gip sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers and computer hardware for controllers; computer software for latency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers.	9 - Computer cursor control devices, namely track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; gip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers and computer hardware for controllers and computer randware for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers 42 - Design and development of computer hardware; design and development of software and hardware for computer cursor control devices, controllers; design and development of software and hardware for determination of position, movement, gestures, and orientation on a user interface, latency reduction for computer cursor control devices and for user interfaces and computer software for input source discrimination on a user interface.
3632196	40201513917Q
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T (STYLIZED)	TACTUAL
Taiwan	Sweden
Registered	Registered
104046880	2016/16536
104046880 2015-08-11 9,42	2015-08-10 9
9 - Computer cursor control devices, namely track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; optical sensors; proximity sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers; computer software for latency reduction for computer rursor control devices; computer software and computer hardware; 42 - Design and development of computer software; design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software and hardware for determination of position, movement, gestures, and orientation on a user interface, latency reduction for computer cursor control devices and for user interfaces and computer software for input source discrimination on a user interface.	9 - Computer cursor control devices, namely, track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for controllers and computer hardware for controllers; computer software for controllers of latency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers.
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							Application								
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							20								
							)15-08-1								
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sensors discrimi	interfac	orientat	determi	and dev	comput	design and dev		and cor	controlli comput	softwan	interfac	sensor movem	sensors	9 - Con pads, s	)
sensors and compu discrimination on a	interfaces and cont	orientation on a use	determination of po	and development o and development o	computer cursor co	design and develop and development o		and computer hard	controllers; comput computer cursor co	source discriminate software for control	interface; sensors a	sensors; sensors ro movement, gesture	sensors; proximity s	9 - Computer curso pads, styli, panels a	
sensors and computer software discrimination on a user interfa	interfaces and controllers, design	orientation on a user interface,	determination of position, move	and development of software to and development of software a	computer cursor control device	design and development of con and development of software a		and computer hardware for late	controllers; computer software computer software	software for controllers and cor	interface; sensors and compute	sensors; sensors for determina movement, gestures, and orien	sensors; proximity sensors; grip	9 - Computer cursor control de pads, styli, panels and screens	
sensors and computer software for input so discrimination on a user interface	interfaces and controllers, design and deve	orientation on a user interface, latency redu	determination of position, movement, gestu	and development of software for cursor cor and development of software and hardware	computer cursor control devices, controllers	design and development of computer software and hardware		and computer hardware for latency reduction	controllers; computer software for latency re computer cursor control devices; computer	software for controllers and computer hards	interface; sensors and computer software to	serisors; sensors for determination of positions of the second of the se	sensors; proximity sensors; grip sensors; o	9 - Computer cursor control devides, name pads, styli, panels and screens; electric or o	
sensors and computer software for input source discrimination on a user interface	interfaces and controllers, design and development of	orientation on a user interface, latency reduction for	determination of position, movement, gestures, and	and development of software for cursor control; design and development of software and hardware for	computer cursor control devices, controllers; design	design and development of computer software; design and development of software and hardware for	9/15-08-11 9,42 graphical user interfaces and controllers 42 - Design and development of computer hardware;	and computer hardware for latency reduction for	controllers; computer software for latency reduction for computer cursor control devices: computer software	software for controllers and computer hardware for	interface; sensors and computer software for input	sensors; sensors for determination of position, movement, gestures, and orientation on a user	sensors; proximity sensors; grip sensors; optical	9 - Computer cursor control devices, namely, track pads, styli, panels and screens; electric or electronic	

TACTUAL (STYLIZED)	TACTUAL (STYLIZED)
United States of America	Taiwan
ca Allowed 86/980,313	Application
313 2015-02-13 42	104046879 2015-08-11 9,42
42 - Design and development of computer software; design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software for cursor control; design and development of software for cursor control; design and development of software and hardware for determination of position, movement, gestures, and orientation on a user interface, latency reduction for computer cursor control devices and for user interfaces and controllers, design and development of sensors and computer, software for input source discrimination on a user interface linent to Use: The applicant has a bona fide intention to use or use through the applicant's related company or licensee the mark in commerce on or in	9 - Computer cursor control devices, namely track pads, styli, panels and screens; electric or electronic sensors; proximity sensors; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; computer software for controllers and computer software for controllers; computer software for controllers; computer software for latency reduction for computer rursor control devices; computer hardware; design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software and hardware for computer cursor control devices, controllers; design and development of software and hardware for determination on a user interface, latency reduction for computer cursor control devices and for user interfaces and controllers, design and development of software and hardware for computer cursor control devices and for user interface, latency reduction for sensors and computer software for input source discrimination on a user interface intent to Use: The applicant has a bona fide intention or licensee the mark in commerce on or in

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United States of America	United States of America	United States of America	United States of America
	America Allowed	America Allowed	
Registered 86/94			Registered 86/96
86/980,312	86/534,093	86/534,094	86/980,371
2015-02-13 42	2015-02-13 9	2015-02-13 9	2015-02-13 9,42
42. Design and development of computer hardware; design and development of computer software; design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software for cursor control; design and development of software and hardware for determination of position, movement, gestures, and orientation on a user interface, latency reduction for computer cursor control devices and for user interfaces and controllers, design and development of sensors and computer software for input source discrimination on a user interface	9 - Computer cursor control devices, namely, track pads, styli, panels and screens; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for latency reduction for computer cursor control devices	Gospill literace     Gosp	9 - electric or electronic sensors; proximity sensors; computer software for controllers and computer hardware for controllers; computer software and computer hardware for controllers.  42 - Design and development of computer hardware; design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software for cursor control; design and development of software for cursor control; design and development of software for cursor control; design and development of software and hardware for determination on a user interface, latency reduction for computer cursor control devices and for user interfaces and computer software for input source discrimination on a computer software for input source
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2016-11-22			2016-10-25

TACTUAL LABS (STYLIZED)	TACTUAL	TACTUAL LABS (STYLIZED)	TACTUAL	TACTUAL (STYLIZED)
United States of America Allowed	United States of America Registered	United States of America Registered	United States of America Allowed	United States of America Allowed
86/534,090	86/980,092	86/980,060	86/534,091	86/980,093
2015-02-13 9	2015-02-13 9	2015-02-13 9,42	2015-02-13 9	2015-02-13 9
9 - Computer cursor control devices, namely, track pads, styli, panels and screens; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for latency reduction for computer cursor control devices	9 - Electric or electronic sensors; proximity sensors; computer software for controllers and computer hardware for controllers; computer software and computer hardware for latency reduction for graphical user interfaces and controllers	9 - electric or electronic sensors; proximity sensors; computer software for controllers and computer hardware for controllers; computer software and computer hardware for latency reduction for graphical user interfaces and controllers 42 - Design and development of computer hardware; design and development of computer software; design and development of software and hardware for computer cursor control devices, controllers; design and development of software and hardware for and development of software and hardware for determination on a user interface, latency reduction for computer cursor control devices and for user interfaces and controllers, design and development of software for interfaces and controllers, design and development of software for input source discrimination on a user interface.	9 - Computer cursor control devices, namely, track pads, styli, panels and screens; grip sensors; optical sensors; sensors for determination of position, movement, gestures, and orientation on a user interface; sensors and computer software for input source discrimination on a user interface; computer software for latency reduction for computer cursor control devices	Electric or electronic sensors; proximity sensors; computer software for controllers and computer hardware for controllers; computer software and computer hardware for latency reduction for graphical user interfaces and controllers
	5,088,510	5,047,143		
	2016-11-22	2016-09-20		

**RECORDED: 06/10/2021**