

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM446698

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Tactual Labs Co.		10/06/2017	Corporation: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	GPB Debt Holdings II, LLC		
<b>Street Address:</b>	535 West 24th Street, 4th Floor		
<b>City:</b>	New York		
<b>State/Country:</b>	NEW YORK		
<b>Postal Code:</b>	10011		
<b>Entity Type:</b>	Limited Liability Company: DELAWARE		
<b>PROPERTY NUMBERS Total: 10</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Serial Number:</b>	86534093	T	
<b>Serial Number:</b>	86534094	TACTUAL	
<b>Serial Number:</b>	86534091	TACTUAL	
<b>Serial Number:</b>	86980313	TACTUAL	
<b>Serial Number:</b>	86980093	TACTUAL	
<b>Serial Number:</b>	86534090	TACTUAL LABS	
<b>Serial Number:</b>	86980312	TACTUAL	
<b>Serial Number:</b>	86980092	TACTUAL	
<b>Serial Number:</b>	86980371	T	
<b>Serial Number:</b>	86980060	TACTUAL LABS	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	6173382880		
<i>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.</i>			
<b>Phone:</b>	617 338 2943		
<b>Email:</b>	trademark@sandw.com		
<b>Correspondent Name:</b>	Kimberly B. Herman, Sullivan & Worcester		
<b>Address Line 1:</b>	One Post Office Square		
<b>Address Line 4:</b>	Boston, MASSACHUSETTS 02109		

CH \$265.00 86534093

<b>NAME OF SUBMITTER:</b>	Kimberly B. Herman
<b>SIGNATURE:</b>	/Kimberly B. Herman/
<b>DATE SIGNED:</b>	10/10/2017

**Total Attachments: 62**

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**SECURITY AGREEMENT**

THIS SECURITY AGREEMENT (as amended, restated, supplemented or otherwise modified from time to time, this “Agreement”) dated as of October 6, 2017 among Tactual Labs Co., a Delaware corporation (the “Company”, and together with each other Person who becomes a party to this Agreement by execution of a joinder in the form of Exhibit A attached hereto being hereinafter sometimes referred to individually as a “Debtor” and, collectively, as the “Debtors”), and GPB Debt Holdings II LLC, a limited liability company, in its capacity as Collateral Agent and Purchaser (together with its successors and assigns, the “Secured Party”).

**WITNESSETH:**

WHEREAS, pursuant to the Purchase Agreement (as hereafter defined), the Secured Party will purchase from the Company certain senior secured convertible notes each issued by the Company (such notes, together with any promissory notes or other securities issued in exchange or substitution therefor or replacement thereof, and as any of the same may be amended, supplemented, restated or modified and in effect from time to time, the “Notes”);

AND WHEREAS, the Notes are being acquired by the Secured Party, and the Secured Party has made certain financial accommodations to the Company pursuant to a Purchase Agreement dated as of the date hereof between the Company and the Secured Party (as the same may be amended, restated, supplemented or otherwise modified from time to time, the “Purchase Agreement”);

AND WHEREAS, each Debtor will derive substantial benefit and advantage from the financial accommodations to the Company set forth in the Purchase Agreement and the Notes, and it will be to each such Debtor’s direct interest and economic benefit to assist the Company in procuring said financial accommodations from the Secured Party;

AND WHEREAS, to induce the Secured Party to enter into the Purchase Agreement and purchase the Notes, Debtor will pledge and grant a security interest in all of its right, title and interest in and to the Collateral (as hereinafter defined) as security for the Obligations for the benefit of the Secured Party and its successors and assigns;

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

Section 1. Definitions. Capitalized terms used herein without definition and defined in the Purchase Agreement are used herein as defined therein. In addition, as used herein:

“Accounts” means any “account,” as such term is defined in the UCC, and, in any event, shall include, without limitation, “supporting obligations” as defined in the UCC.

“Chattel Paper” means any “chattel paper,” as such term is defined in the UCC.

“Collateral” shall have the meaning ascribed thereto in Section 3 hereof.

“Commercial Tort Claims” means “commercial tort claims”, as such term is defined in the UCC.

“Contracts” means all contracts, undertakings, or other agreements (other than rights evidenced by Chattel Paper, Documents or Instruments) in or under which a Debtor may now or hereafter have any right, title or interest, including, without limitation, with respect to an Account, any agreement relating to the terms of payment or the terms of performance thereof.

“Copyrights” means any copyrights, rights and interests in copyrights, works protectable by copyrights, copyright registrations and copyright applications, including, without limitation, the copyright registrations and applications listed on Schedule III attached hereto (if any), 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.

“Deposit Accounts” means all “deposit accounts” as such term is defined in the UCC, now or hereafter held in the name of a Debtor.

“Documents” means any “documents,” as such term is defined in the UCC, and shall include, without limitation, all documents of title (as defined in the UCC), bills of lading or other receipts evidencing or representing Inventory or Equipment.

“Equipment” means any “equipment,” as such term is defined in the UCC and, in any event, shall include, Motor Vehicles.

“Event of Default” shall have the meaning set forth in the Notes.

“Excluded Assets” means each of the following: (1) any lease, license or other agreement or any property subject to a capital lease, purchase money security interest or similar arrangement, to the extent that a grant of a Lien thereon in favor of the Secured Party would violate or invalidate such lease, license, agreement or capital lease, purchase money security interest or similar arrangement or create a right of termination in favor of any other party thereto (other than the Debtors), so long as such provision exists and so long as such lease, license or agreement was not entered into in contemplation of circumventing the obligation to provide Collateral hereunder or in violation of the Purchase Agreement, other than to the extent that any such term would be rendered ineffective pursuant to Sections 9-406, 9-407, 9-408 or 9-409 of the UCC (or any successor provision or provisions) of any relevant jurisdiction or any other applicable law including the bankruptcy code, or principles of equity; (2) the Company’s or its subsidiaries’ assets which are located outside the United States and the securities issued by any subsidiary of the Company which is organized under the laws of any jurisdiction other than the United States, or any state or territory thereof, except for a Lien on not more than 65% of the presently existing and hereafter arising issued and outstanding shares of capital stock and other equity securities owned by Company of any of the following subsidiaries, which shall not be deemed Excluded Assets and shall be included in the Collateral: Tactual Labs Canada, Inc., and (3) Intellectual Property of Debtor that is embodied in MacGyver silicon and required to be assigned in full to Lattice in connection with any Lattice License and Development Agreement (as such terms are defined in the Notes); provided that Lattice has not waived any such right to assignment. For the avoidance of doubt, all the intangible assets of the Company, other than the items described in the preceding sentence of this definition of “Excluded Assets”, shall not be considered Excluded Assets and shall be included in the Collateral.

“Foreign Patents” means any “Patents” which are not United States Patents.

“General Intangibles” means any “general intangibles,” as such term is defined in the UCC, and, in any event, shall include, without limitation, all right, title and interest in or under any Contract, models, drawings, materials and records, claims, literary rights, goodwill, rights of performance, Copyrights, Trademarks, Patents, warranties, rights under insurance policies and rights of indemnification.

“Goods” means any “goods”, as such term is defined in the UCC, including, without limitation, fixtures and embedded Software to the extent included in “goods” as defined in the UCC.

“Governmental Authority” means the government of the United States of America, or any political subdivision thereof, whether state or local, or any agency, authority, instrumentality, regulatory body, court, central bank or other entity exercising executive, legislative, judicial, taxing, regulatory or administration powers or functions of or pertaining to government over any Debtor or any of its subsidiaries, or any of their respective properties, assets or undertakings.

“Instruments” means any “instrument,” as such term is defined in the UCC, and shall include, without limitation, promissory notes, drafts, bills of exchange, trade acceptances, letters of credit, letter of credit rights (as defined in the UCC), and Chattel Paper.

“Intellectual Property” has the meaning set forth in the Purchase Agreement.

“Inventory” means any “inventory,” as such term is defined in the UCC.

“Investment Property” means any “investment property”, as such term is defined in the UCC.

“Lattice” means Lattice Semiconductor Limited, Lattice Semiconductor Corporation, and each subsidiary of such companies.

“Lattice License and Development Agreements” means that certain (a) Termination Agreement, dated as of September 15, 2017, between the Company and Lattice Semiconductor Limited, (b) Exclusive License Agreement, dated as of September 15, 2017, between the Company and Lattice Semiconductor Limited, (c) Grant Back License Agreement, dated as of September 15, 2017, between the Company and Lattice Semiconductor Limited, (d) Master Services Agreement, dated as of September 15, 2017, between the Company and Lattice Semiconductor Limited, any other license agreement, development agreement, support agreement, service agreement or other agreement now or in the future entered into between the Company and Lattice, and (e) all renewals, extensions, continuations, amendments, restatements, supplements and other modifications thereto.

“Obligations” means all obligations, liabilities and indebtedness of every nature of Debtors from time to time owed or owing under or in respect of this Agreement, the Purchase Agreement, the Notes, and any of the other Transaction Documents, as the case may be, including, without limitation, the principal amount of all debts, claims and indebtedness, accrued and unpaid interest and all fees, costs and expenses, whether primary, secondary, direct, contingent, fixed or otherwise, heretofore, now and/or from time to time hereafter owing, due or payable whether before or after the filing of a bankruptcy, insolvency or similar proceeding under applicable federal, state, foreign or other law and whether or not an allowed claim in any such proceeding in connection with the above-referenced documents.

“Lien” has the meaning set forth in the Purchase Agreement.

“Motor Vehicles” shall mean motor vehicles, tractors, trailers and other like property, whether or not the title thereto is governed by a certificate of title or ownership.

“Mortgage” has the meaning set forth in Section 2(h).

“Patents” means any patents and patent applications of the Debtors, including, without limitation, the inventions and improvements described and claimed therein, all inventions subject to such patents and patent applications (if any), and the 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.

“Permitted Indebtedness” has the meaning set forth in the Notes.

“Proceeds” means “proceeds,” as such term is defined in the UCC and, in any event, includes, without limitation, (a) any and all proceeds of any insurance, indemnity, warranty or guaranty payable with respect to any of the Collateral, (b) any and all payments (in any form whatsoever) made or due and payable from time to time in connection with any requisition, confiscation, condemnation, seizure or forfeiture of all or any part of the Collateral by any Governmental Authority (or any person acting under color of Governmental Authority), and (c) any and all other amounts from time to time paid or payable under, in respect of or in connection with any of the Collateral.

“Representative” means any Person acting as agent, representative or trustee on behalf of the Secured Party from time to time.

“Security Document” means this Agreement securing the Liens of the Secured Party hereunder.

“Software” means all “software” as such term is defined in the UCC, now owned or hereafter acquired by a Debtor, other than software embedded in any category of Goods, including, without limitation, all computer programs and all supporting information provided in connection with a transaction related to any program.

“Trademarks” means any trademarks, trade names, corporate names, company names, business names, fictitious business names, trade styles, service marks, logos, other business identifiers, prints and labels on which any of the foregoing have appeared or appear, all registrations and recordings thereof, and all applications in connection therewith, including, without limitation, the trademarks and applications listed in Schedule V attached hereto (if any) 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.

“Transaction Documents” means the Purchase Agreement, the Notes, this Security Document, the Warrants and any other related documents and agreements.

“UCC” shall mean the Uniform Commercial Code as in effect from time to time in the State of New York; provided, that to the extent that the Uniform Commercial Code is used to define any term herein and such term is defined differently in different Articles or Divisions of the Uniform Commercial Code, the definition of such term contained in Article or Division 9 shall govern.

“United States Patents” or “US Patents” means the “Patents” listed on Schedule IV attached hereto.

Section 2. Representations, Warranties and Covenants of Debtors. Each Debtor represents and warrants to, and covenants with, the Secured Party as follows:

(a) Such Debtor has or will have rights in and the power to transfer the Collateral in which it purports to grant a security interest pursuant to Section 3 hereof (subject, with respect to after acquired Collateral, to such Debtor acquiring the same) and no Lien other than Permitted Liens exists or will exist upon such Collateral at any time.

(b) This Agreement is effective to create in favor of the Secured Party a valid security interest in and Lien upon all of such Debtor’s right, title and interest in and to the Collateral upon (i) the filing of appropriate UCC financing statements in Delaware, (ii) the execution of a deposit account control agreement, (iii) filings in the United States Patent and Trademark Office, or United States Copyright Office with respect to Collateral that is Patents and Trademarks, or Copyrights, as the case may

be, (iv) the filing of the Mortgages in the jurisdictions listed on Schedule I hereto, (v) the security interest created hereby being noted on each certificate of title evidencing the ownership of any Motor Vehicle in accordance with Section 4.1(d) hereof and (vi) delivery to the Secured Party or its Representative of Instruments duly endorsed by such Debtor or accompanied by appropriate instruments of transfer duly executed by such Debtor with respect to Instruments not constituting Chattel Paper, such security interest will be a duly perfected first priority perfected security interest (subject to Permitted Indebtedness) in all of the Collateral.

(c) All of the Equipment, Inventory and Goods owned by such Debtor as of the date hereof is located at the places as specified on Schedule I attached hereto. Except as disclosed on Schedule I, as of the date hereof none of the Collateral is in the possession of any bailee, warehousemen, processor or consignee. Schedule I discloses such Debtor's name as of the date hereof as it appears in official filings in the state or province, as applicable, of its incorporation, formation or organization, the type of entity of such Debtor (including corporation, partnership, limited partnership or limited liability company), organizational identification number issued by such Debtor's state of incorporation, formation or organization (or a statement that no such number has been issued), such Debtor's state or province, as applicable, of incorporation, formation or organization and the chief place of business, chief executive office and the office where such Debtor keeps its books and records and the states in which such Debtor conducts its business. Such Debtor has only one state or province, as applicable, of incorporation, formation or organization. Such Debtor does not as of the date hereof do business and has not done business during the past five (5) years under any trade name or fictitious business name except as disclosed on Schedule II attached hereto.

(d) Schedules III, IV and V contain complete and accurate lists as of the date hereof of all (i) registered copyrights and applications therefor; (ii) United States patents and pending applications therefor; (iii) registered trademarks and service marks and applications therefor; and (iv) all unregistered trademarks and service marks that are material to the operations of the business of such Debtor; in each case owned by such Debtor. No Copyrights, United States Patents or Trademarks listed on Schedules III, IV and V, respectively, if any, and no issued Foreign Patents, have been adjudged invalid or unenforceable or have been canceled, in whole or in part, or are not presently subsisting. Each of such Copyrights, United States Patents, issued Foreign Patents and Trademarks (if any) is as of the date hereof valid and enforceable. Such Debtor is as of the date hereof the sole and exclusive owner of the entire and unencumbered right, title and interest in and to each of such Copyrights, United States Patents, Trademarks, identified on Schedules III, IV and V, as applicable, and issued Foreign Patents, as being owned by such Debtor, free and clear of any liens, charges and encumbrances, including without limitation licenses, shop rights and covenants by such Debtor not to sue third persons other than those arising pursuant to the Lattice License and Development Agreements. Such Debtor has adopted, used and is currently using, or has a current bona fide intention to use, all of such Trademarks. Such Debtor has as of the date hereof no notice of any suits or actions commenced or threatened with reference to the Copyrights, Patents or Trademarks owned by it.

(e) Each Debtor agrees to deliver to the Secured Party an updated Schedule I, II, III, IV and/or V and a list of all newly filed Foreign Patents on a quarterly basis, upon specific request of the Secured Party, or upon an Event of Default.

(f) All depositary and other accounts including, without limitation, Deposit Accounts, securities accounts, brokerage accounts and other similar accounts, maintained as of the date hereof by each Debtor are described on Schedule VI hereto, which description includes for each such account the name of the Debtor maintaining such account, the name, address and telephone and telecopy numbers of the financial institution at which such account is maintained, the account number and the account officer, if any, of such account. No Debtor shall open any new Deposit Accounts, securities accounts, brokerage accounts or other accounts unless such Debtor shall have given the Secured Party ten (10) Business Days' prior written notice of its intention to open any such new accounts. Each Debtor



shall deliver to the Secured Party a revised version of Schedule VI showing any changes thereto within five (5) Business Days of any such change. Each Debtor hereby authorizes the financial institutions at which such Debtor maintains an account to provide the Secured Party with such information with respect to such account as the Secured Party from time to time reasonably may request, and each Debtor hereby consents to such information being provided to the Secured Party. In addition, all of such Debtor's depository, security, brokerage and other accounts including, without limitation, Deposit Accounts shall be subject to the provisions of Section 4.5 hereof.

(g) Such Debtor as of the date hereof does not own as of the date hereof any Commercial Tort Claim except for those disclosed on Schedule VII hereto (if any).

(h) Such Debtor as of the date hereof does not have any interest in real property with respect to real property except as disclosed on Schedule VIII (if any). Each Debtor shall deliver to the Secured Party a revised version of Schedule VIII showing any changes thereto within five (5) Business Days of any such change. Except as otherwise agreed to by the Secured Party, all interests in real property owned in fee simple by a Debtor are subject to a mortgage and deed of trust (in form and substance satisfactory to the Secured Party) in favor of the Secured Party (hereinafter, a "Mortgage").

(i) Each Debtor shall duly and properly record each interest in real property (other than with respect to its leases of real property) held by such Debtor except with respect to easements, rights of way, access agreements, surface damage agreements, surface use agreements or similar agreements that such Debtor, using prudent customs and practices in the industry in which it operates, does not believe are of material value or material to the operation of such Debtor's business or, with respect to state and federal rights of way, are not capable of being recorded as a matter of state and federal law.

(j) All Equipment (including, without limitation, Motor Vehicles) owned as of the date hereof by a Debtor and subject to a certificate of title or ownership statute is described on Schedule IX hereto.

Section 3. Collateral. As collateral security for the prompt payment in full when due (whether at stated maturity, by acceleration or otherwise) of the Obligations, each Debtor hereby pledges and grants to the Secured Party a first priority Lien on and security interest in and to all of such Debtor's right, title and interest in all of the properties and assets of such Debtor, whether now owned by such Debtor or hereafter acquired and whether now existing or hereafter coming into existence and wherever located, including but not limited to the following properties and assets of such Debtor (all being collectively referred to herein as "Collateral"), but in each case excluding the Excluded Assets:

- (a) all Instruments, together with all payments thereon or thereunder;
- (b) all Accounts;
- (c) all Inventory;
- (d) all General Intangibles (including payment intangibles (as defined in the UCC) and Software);
- (e) all Equipment;
- (f) all Documents;
- (g) all Contracts;
- (h) all Goods;

(i) all Investment Property, including without limitation all equity interests now owned or hereafter acquired by such Debtor;

(j) all Deposit Accounts, including, without limitation, the balance from time to time in all bank accounts maintained by such Debtor;

(k) all Commercial Tort Claims specified on Schedule VII;

(l) all Trademarks, Patents and Copyrights and all other Intellectual Property;

(m) all books and records pertaining to the other Collateral; and

(n) all other tangible and intangible property of such Debtor, including, without limitation, all interests in real property, Proceeds, tort claims, products, accessions, rents, profits, income, benefits, substitutions, additions and replacements of and to any of the property of such Debtor described in the preceding clauses of this Section 3 (including, without limitation, any proceeds of insurance thereon, insurance claims and all rights, claims and benefits against any Person relating thereto), other rights to payments not otherwise included in the foregoing, and all books, correspondence, files, records, invoices and other papers, including without limitation all tapes, cards, computer runs, computer programs, computer files and other papers, documents and records in the possession or under the control of such Debtor, any computer bureau or service company from time to time acting for such Debtor. Notwithstanding anything to the contrary contained herein or in any Transaction Document, in no event shall the security interest granted herein or therein attach to any Excluded Asset.

Section 4. Covenants; Remedies. In furtherance of the grant of the pledge and security interest pursuant to Section 3 hereof, each Debtor hereby agrees with the Secured Party as follows:

4.1 Delivery and Other Perfection; Maintenance, etc.

(a) Delivery of Instruments, Documents, Etc. Each Debtor shall deliver and pledge to the Secured Party or its Representative any and all Instruments, negotiable Documents, Chattel Paper and certificated securities (accompanied by stock powers executed in blank, which stock powers may be filled in and completed at any time upon the occurrence of any Event of Default) duly endorsed and/or accompanied by such instruments of assignment and transfer executed by such Debtor in such form and substance as the Secured Party or its Representative may request; provided, that so long as no Event of Default shall have occurred and be continuing, each Debtor may retain for collection in the ordinary course of business any Instruments, negotiable Documents and Chattel Paper received by such Debtor in the ordinary course of business, and the Secured Party or its Representative shall, promptly upon request of a Debtor, make appropriate arrangements for making any other Instruments, negotiable Documents and Chattel Paper pledged by such Debtor available to such Debtor for purposes of presentation, collection or renewal (any such arrangement to be effected, to the extent deemed appropriate by the Secured Party or its Representative, against a trust receipt or like document). If a Debtor retains possession of any Chattel Paper, negotiable Documents or Instruments pursuant to the terms hereof, such Chattel Paper, negotiable Documents and Instruments shall be marked with the following legend: "This writing and the obligations evidenced or secured hereby are subject to the security interest of GPB Debt Holdings II LLC, in its capacity as Collateral Agent for the benefit of the Purchaser, as secured party."

(b) Other Documents and Actions. Subject to the rights of holders of Permitted Liens, each Debtor shall give, execute, deliver, file and/or record any financing statement, registration, notice, instrument, document, agreement, Mortgage or other papers that may be necessary to create, preserve, perfect or validate the security interest granted pursuant hereto (or any security interest or mortgage contemplated or required hereunder, including with respect to Section 2(h) of this Agreement) or to enable the Secured Party or its Representative to exercise and enforce the rights of the Secured Party hereunder with respect to such pledge and security interest, provided that notices to account

debtors in respect of any Accounts or Instruments shall be subject to the provisions of clause (e) below. Notwithstanding the foregoing each Debtor hereby irrevocably authorizes the Secured Party at any time and from time to time to file in any filing office in any jurisdiction any initial financing statements (and other similar filings or registrations under other applicable laws and regulations pertaining to the creation, attachment, or perfection of security interests) and amendments thereto that (a) indicate the Collateral (i) as all assets of such Debtor or words of similar effect, regardless of whether any particular asset comprised in the Collateral falls within the scope of Article 9 of the UCC, or (ii) as being of an equal or lesser scope or with greater detail, and (b) contain any other information required by part 5 of Article 9 of the UCC for the sufficiency or filing office acceptance of any financing statement or amendment, including (i) whether such Debtor is an organization, the type of organization and any organization identification number issued to such Debtor, and (ii) in the case of a financing statement filed as a fixture filing, a sufficient description of real property to which the Collateral relates. Each Debtor agrees to furnish any such information to the Secured Party promptly upon request. Each Debtor also ratifies its authorization for the Secured Party to have filed in any jurisdiction any like initial financing statements or amendments thereto if filed prior to the date hereof.

(c) Books and Records. Each Debtor (or the Company on behalf of a Debtor) shall maintain at its own cost and expense complete and accurate books and records of the Collateral, including, without limitation, a record of all payments received and all credits granted with respect to the Collateral and all other dealings with the Collateral. Upon the occurrence and during the continuation of any Event of Default, each Debtor shall deliver and turn over any such books and records (or true and correct copies thereof) to the Secured Party or its Representative at any time on demand. Each Debtor shall permit any Representative of the Secured Party to inspect such books and records upon reasonable notice at any time during reasonable business hours and will provide photocopies thereof at such Debtor's expense to the Secured Party upon request of the Secured Party.

(d) Motor Vehicles. Each Debtor shall, promptly upon acquiring same, cause the Secured Party to be listed as the lienholder on each certificate of title or ownership covering any items of Equipment, including Motor Vehicles, having a value in excess of \$50,000 individually or in the aggregate for all such items of Equipment of the Debtor, or otherwise comply with the certificate of title or ownership laws of the relevant jurisdiction issuing such certificate of title or ownership in order to properly evidence and perfect the Secured Party's security interest in the assets represented by such certificate of title or ownership.

(e) Notice to Account Debtors; Verification. (i) Subject to the rights of holders of Permitted Liens, upon the occurrence and during the continuance of any Event of Default or if any rights of set-off (other than set-offs against an Account arising under the Contract giving rise to the same Account) or contra accounts may be asserted, upon request of the Secured Party or its Representative, each Debtor shall promptly notify (and each Debtor hereby authorizes the Secured Party and its Representative so to notify) each account debtor in respect of any Accounts or Instruments or other Persons obligated on the Collateral that such Collateral has been assigned to the Secured Party hereunder, and that any payments due or to become due in respect of such Collateral are to be made directly to the Secured Party, and (ii) the Secured Party and its Representative shall have the right at any time or times to make direct verification with the account debtors or other Persons obligated on the Collateral of any and all of the Accounts or other such Collateral.

(f) Intellectual Property. If such Debtor shall (i) obtain rights to any new patentable inventions, any registered Copyrights or any Patents or Trademarks, or (ii) become entitled to the benefit of any registered Copyrights or any Patents or any registered Trademarks or unregistered Trademarks material to the operations of the business of such Debtor or any improvement on any Patent, the provisions of this Agreement above shall automatically apply thereto. Each Debtor hereby authorizes the Secured Party to modify this Agreement by amending Schedules III, IV and V, as applicable, to include any such registered Copyrights or any such United States Patents and Trademarks. Each Debtor

shall have the duty (i) to prosecute diligently any patent, trademark, or service mark applications pending as of the date hereof or hereafter, to the extent material to the operations of the business of such Debtor, (ii) to preserve and maintain all rights in the Copyrights, Patents and Trademarks, to the extent material to the operations of the business of such Debtor and (iii) to take commercially reasonable efforts to ensure that the Copyrights, issued United States Patents and issued Trademarks are and remain enforceable, to the extent material to the operations of the business of such Debtor. Any expenses incurred in connection with such Debtor's obligations under this Section 4.1(f) shall be borne by such Debtor. Except for any such items that a Debtor reasonably believes (using prudent industry customs and practices) are no longer necessary for the on-going operations of its business, no Debtor shall abandon any right to file a material patent, trademark or service mark application, or abandon any material pending patent, trademark or service mark application or any other Copyright, Patent or Trademark without the prior written consent of the Secured Party, which consent shall not be unreasonably withheld.

(g) Further Identification of Collateral. Each Debtor will, when and as often as requested by the Secured Party or its Representative, furnish to the Secured Party or such Representative, statements and schedules further identifying and describing the Collateral and such other reports in connection with the Collateral as the Secured Party or its Representative may reasonably request, all in reasonable detail.

(h) Investment Property. Each Debtor will take any and all actions required or reasonably requested by the Secured Party, from time to time, to (i) cause the Secured Party to obtain exclusive control of any Investment Property owned by such Debtor in a manner acceptable to the Secured Party and (ii) obtain from any issuers of Investment Property and such other Persons, for the benefit of the Secured Party, written confirmation of the Secured Party's control over such Investment Property. For purposes of this Section 4.1(h), the Secured Party shall have exclusive control of Investment Property if (i) such Investment Property consists of certificated securities and a Debtor delivers such certificated securities to the Secured Party (with appropriate endorsements if such certificated securities are in registered form); (ii) such Investment Property consists of uncertificated securities and either (x) a Debtor delivers such uncertificated securities to the Secured Party or (y) the issuer thereof agrees, pursuant to documentation in form and substance reasonably satisfactory to the Secured Party, that it will comply with instructions originated by the Secured Party without further consent by such Debtor, and (iii) such Investment Property consists of security entitlements and either (x) the Secured Party becomes the entitlement holder thereof or (y) the appropriate securities intermediary agrees, pursuant to the documentation in form and substance reasonably satisfactory to the Secured Party, that it will comply with entitlement orders originated by the Secured Party without further consent by any Debtor. Absent the occurrence and continuance of an Event of Default, each Debtor shall have sole rights to vote any securities pledged as collateral.

(i) Commercial Tort Claims. Each Debtor shall promptly notify the Secured Party of any Commercial Tort Claim acquired by it that concerns a claim in excess of \$50,000 and unless otherwise consented to by the Secured Party, such Debtor shall enter into a supplement to this Agreement granting to the Secured Party a Lien on and security interest in such Commercial Tort Claim.

4.2 Other Liens. Debtors will not create, permit or suffer to exist, and will defend the Collateral against and take such other action as is necessary to remove, any Lien on the Collateral except Permitted Liens, and will defend the right, title and interest of the Secured Party in and to the Collateral and in and to all Proceeds thereof against the claims and demands of all Persons whatsoever, except holders of Permitted Liens.

4.3 Preservation of Rights. Whether or not any Event of Default has occurred or is continuing, the Secured Party and its Representative may, but shall not be required to, take any steps the Secured Party or its Representative deems necessary or appropriate to preserve any Collateral or any rights against third parties to any of the Collateral, including obtaining insurance for the Collateral at any

time when such Debtor has failed to do so, and Debtors shall promptly pay, or reimburse the Secured Party for, all expenses incurred in connection therewith.

4.4 Formation of Subsidiaries; Name Change; Location; Bailees.

(a) No Debtor shall form or acquire any subsidiary unless (i) such Debtor pledges all of the stock and equity interests of such subsidiary to the Secured Party pursuant to an agreement in a form agreed to by the Secured Party, (ii) such subsidiary becomes a party to this Agreement and (iii) the formation or acquisition of such subsidiary is not prohibited by the terms of the Transaction Documents, provided that, if such subsidiary is organized under the laws of any jurisdiction other than the United States, or a state or other jurisdiction thereof, such subsidiary's assets shall be Excluded Assets and no more than 65% of the equity securities of such subsidiary shall be Collateral (and the balance of such equity securities shall be Excluded Assets).

(b) No Debtor shall (i) reincorporate or reorganize itself under the laws of any jurisdiction other than the jurisdiction in which it is incorporated or organized as of the date hereof, or (ii) otherwise change its name, identity or corporate structure, in each case, without the prior written consent of the Secured Party, which consent shall not be unreasonably withheld. Each Debtor will notify the Secured Party promptly in writing prior to any such change in the proposed use by such Debtor of any tradename or fictitious business name other than any such name set forth on Schedule II attached hereto.

(c) Except for the sale of Inventory in the ordinary course of business and other sales of assets expressly permitted by the terms of the Purchase Agreement, each Debtor will keep the Collateral at the locations specified in Schedule I. Each Debtor will give the Secured Party thirty (30) day's prior written notice of any change in such Debtor's chief place of business or of any new location for any of the Collateral.

(d) If any Collateral is at any time in the possession or control of any warehousemen, bailee, consignee or processor, such Debtor shall, upon the request of the Secured Party or its Representative, notify such warehousemen, bailee, consignee or processor of the Lien and security interest created hereby and shall instruct such Person to hold all such Collateral for the Secured Party's account subject to the Secured Party's instructions.

(e) Each Debtor acknowledges that it is not authorized to file any financing statement or amendment or termination statement with respect to any financing statement relating to the Secured Party's security interests hereunder without the prior written consent of the Secured Party and agrees that it shall not do so without the prior written consent of the Secured Party, subject to such Debtor's rights under Section 9-509(d)(2) to the UCC.

(f) Subject to the rights of holders of Permitted Liens, no Debtor shall enter into any Contract that restricts or prohibits the grant to the Secured Party of a security interest in Accounts, Chattel Paper, Instruments or payment intangibles or the proceeds of the foregoing.

4.5 Events of Default, Etc. During the period during which an Event of Default shall have occurred and be continuing, subject to the rights of holders of Permitted Liens:

(a) each Debtor shall, at the request of the Secured Party or its Representative, assemble the Collateral and make it available to the Secured Party or its Representative at a place or places designated by the Secured Party or its Representative which are reasonably convenient to the Secured Party or its Representative, as applicable;

(b) the Secured Party or its Representative may make any reasonable compromise or settlement deemed desirable with respect to any of the Collateral and may extend the time of payment, arrange for payment in installments, or otherwise modify the terms of, any of the Collateral;

(c) the Secured Party shall have all of the rights and remedies with respect to the Collateral of a secured party under the UCC (whether or not said UCC is in effect in the jurisdiction where the rights and remedies are asserted) and such additional rights and remedies to which a secured party is entitled under the laws in effect in any jurisdiction where any rights and remedies hereunder may be asserted, including, without limitation, the right, to the maximum extent permitted by law, to: (i) exercise all voting, consensual and other powers of ownership pertaining to the Collateral as if the Secured Party were the sole and absolute owner thereof (and each Debtor agrees to take all such action as may be appropriate to give effect to such right) and (ii) to the appointment of a receiver or receivers for all or any part of the Collateral or business of a Debtor, whether such receivership be incident to a proposed sale or sales of such Collateral or otherwise and without regard to the value of the Collateral or the solvency of any person or persons liable for the payment of the Obligations secured by such Collateral. Each Debtor hereby consents to the appointment of such receiver or receivers, waives any and all defenses to such appointment and agrees that such appointment shall in no manner impair, prejudice or otherwise affect the rights of the Secured Party under this Agreement. Each Debtor hereby expressly waives notice of a hearing for appointment of a receiver and the necessity for bond or an accounting by the receiver;

(d) the Secured Party or its Representative in its discretion may, in the name of the Secured Party or in the name of a Debtor or otherwise, demand, sue for, collect or receive any money or property at any time payable or receivable on account of or in exchange for any of the Collateral, but shall be under no obligation to do so;

(e) the Secured Party or its Representative may take immediate possession and occupancy of any premises owned, used or leased by a Debtor and exercise all other rights and remedies which may be available under law or the Transaction Documents to the Secured Party;

(f) the Secured Party may, upon reasonable notice (such reasonable notice to be determined by the Secured Party in its sole and absolute discretion, which shall not be less than ten (10) days), with respect to the Collateral or any part thereof which shall then be or shall thereafter come into the possession, custody or control of the Secured Party or its Representative, sell, lease, license, assign or otherwise dispose of all or any part of such Collateral, at such place or places as the Secured Party deems best, and for cash or for credit or for future delivery (without thereby assuming any credit risk), at public or private sale, without demand of performance or notice of intention to effect any such disposition or of the time or place thereof (except such notice as is required above or by applicable statute and cannot be waived), and the Secured Party or anyone else may be the purchaser, lessee, licensee, assignee or recipient of any or all of the Collateral so disposed of at any public sale (or, to the extent permitted by law, at any private sale) and thereafter hold the same absolutely, free from any claim or right of whatsoever kind, including any right or equity of redemption (statutory or otherwise), of Debtors, any such demand, notice and right or equity being hereby expressly waived and released. The Secured Party may, without notice or publication, adjourn any public or private sale or cause the same to be adjourned from time to time by announcement at the time and place fixed for the sale, and such sale may be made at any time or place to which the sale may be so adjourned;

(g) the rights, remedies and powers conferred by this Section 4.5 are in addition to, and not in substitution for, any other rights, remedies or powers that the Secured Party may have under any Transaction Document, at law, in equity or by or under the UCC or any other statute or agreement. The Secured Party may proceed by way of any action, suit or other proceeding at law or in equity and no right, remedy or power of the Secured Party will be exclusive of or dependent on any other. The Secured Party may exercise any of its rights, remedies or powers separately or in combination and at any time; and

(h) each Debtor, the Secured Party and each Debtor's bank shall enter into a deposit account control agreement in form and substance satisfactory to the Secured Party

that is sufficient to give the Secured Party "control" (for purposes of Articles 8 and 9 of the Uniform Commercial Code) over such account and which directs such bank to transfer such funds so deposited on a daily basis, or at other times acceptable to Secured Party, to Secured Party, either to any account maintained by Secured Party at said bank or by wire transfer to appropriate account(s) at Secured Party. All funds deposited in such Deposit Accounts shall immediately become subject to the security interest of the Secured Party for its own benefit, and the Secured Party shall obtain the agreement by such bank to waive any offset rights against the funds so deposited. The Secured Party shall apply all funds received by it from the Deposit Accounts to the satisfaction of the Obligations.

The proceeds of each collection, sale or other disposition under this Section 4.5 shall be applied in accordance with Section 4.8 hereof.

4.6 Deficiency. If the proceeds of sale, collection or other realization of or upon the Collateral are insufficient to cover the costs and expenses of such realization and the payment in full of the Obligations, Debtors shall remain jointly and severally liable for any deficiency.

4.7 Private Sale. Each Debtor recognizes that the Secured Party may be unable to effect a public sale of any or all of the Collateral consisting of securities by reason of certain prohibitions contained in the Securities Act of 1933, as amended (the "Act"), and applicable state securities laws, but may be compelled to resort to one or more private sales thereof to a restricted group of purchasers who will be obliged to agree, among other things, to acquire such Collateral for their own account for investment and not with a view to the distribution or resale thereof. Each Debtor acknowledges and agrees that any such private sale may result in prices and other terms less favorable to the seller than if such sale were a public sale and each Debtor agrees that it is not commercially unreasonable for the Secured Party to engage in any such private sales or dispositions under such circumstances. The Secured Party shall be under no obligation to delay a sale of any of the Collateral to permit a Debtor to register such Collateral for public sale under the Act, or under applicable state securities laws, even if Debtors would agree to do so. The Secured Party shall not incur any liability as a result of the sale of any such Collateral, or any part thereof, at any private sale provided for in this Agreement conducted in a commercially reasonable manner, and so long as the Secured Party conducts such sale in a commercially reasonable manner each Debtor hereby waives any claims against the Secured Party arising by reason of the fact that the price at which the Collateral may have been sold at such a private sale was less than the price which might have been obtained at a public sale or was less than the aggregate amount of the Obligations, even if the Secured Party accepts the first offer received and does not offer the Collateral to more than one offeree.

Each Debtor further agrees to do or cause to be done all such other acts and things as may be necessary to make such sale or sales of any portion or all of any such Collateral valid and binding and in compliance with any and all applicable laws, regulations, orders, writs, injunctions, decrees or awards of any and all courts, arbitrators or governmental instrumentalities, domestic or foreign, having jurisdiction over any such sale or sales, all at such Debtor's expense. Each Debtor further agrees that a breach of any of the covenants contained in this Section 4.7 will cause irreparable injury to the Secured Party, that the Secured Party has no adequate remedy at law in respect of such breach and, as a consequence, agrees that each and every covenant contained in this Section 4.7 shall be specifically enforceable against Debtors, and each Debtor hereby waives and agrees not to assert any defenses against an action for specific performance of such covenants except for a defense that no Event of Default has occurred and is continuing.

4.8 Application of Proceeds. The proceeds of any collection, sale or other realization of all or any part of the Collateral, and any other cash at the time held by the Secured Party under this Agreement, shall be applied to the Obligations in such order as the Secured Party shall elect.

4.9 Attorney-in-Fact. To the extent permitted by applicable law, each Debtor hereby irrevocably constitutes and appoints the Secured Party, with full power of substitution, as its true and lawful attorney-in-fact with full irrevocable power and authority in the place and stead of such Debtor and in the name of such Debtor or in its own name, from time to time in the discretion of the Secured Party, for the purpose of carrying out the terms of this Agreement, to take any and all appropriate action and to execute and deliver any and all documents and instruments which may be necessary or desirable to perfect or protect any security interest granted hereunder, to maintain the perfection or priority of any security interest granted hereunder, or to otherwise accomplish the purposes of this Agreement, and, without limiting the generality of the foregoing, hereby gives the Secured Party the power and right, on behalf of such Debtor, without notice to or assent by such Debtor (to the extent permitted by applicable law), subject to the rights of holders of Permitted Liens until the payment in full of all Obligations, to do the following:

(a) to take any and all appropriate action and to execute and deliver any and all documents and instruments which may be necessary or desirable to accomplish the purposes of this Agreement;

(b) upon the occurrence and during the continuation of an Event of Default, to ask, demand, collect, receive and give acquittance and receipts for any and all moneys due and to become due under any Collateral and, in the name of such Debtor or its own name or otherwise, to take possession of and endorse and collect any checks, drafts, notes, acceptances or other Instruments for the payment of moneys due under any Collateral and to file any claim or to take any other action or proceeding in any court of law or equity or otherwise deemed appropriate by the Secured Party for the purpose of collecting any and all such moneys due under any Collateral whenever payable and to file any claim or to take any other action or proceeding in any court of law or equity or otherwise deemed appropriate by the Secured Party for the purpose of collecting any and all such moneys due under any Collateral whenever payable;

(c) to pay or discharge charges or liens levied or placed on or threatened against the Collateral, to effect any insurance called for by the terms of this Agreement and to pay all or any part of the premiums therefor;

(d) upon the occurrence and during the continuance of an Event of Default to direct any party liable for any payment under any of the Collateral to make payment of any and all moneys due, and to become due thereunder, directly to the Secured Party or as the Secured Party shall direct, and to receive payment of and receipt for any and all moneys, claims and other amounts due, and to become due at any time, in respect of or arising out of any Collateral;

(e) upon the occurrence and during the continuation of an Event of Default, to sign and indorse any invoices, freight or express bills, bills of lading, storage or warehouse receipts, drafts against debtors, assignments, verifications and notices in connection with accounts and other Documents constituting or relating to the Collateral;

(f) upon the occurrence and during the continuation of an Event of Default, to commence and prosecute any suits, actions or proceedings at law or in equity in any court of competent jurisdiction to collect the Collateral or any part thereof and to enforce any other right in respect of any Collateral;

(g) upon the occurrence and during the continuation of an Event of Default, to defend any suit, action or proceeding brought against a Debtor with respect to any Collateral;

(h) upon the occurrence and during the continuation of an Event of Default, to settle, compromise or adjust any suit, action or proceeding described above and, in connection therewith, to give such discharges or releases as the Secured Party may deem appropriate;



(i) to the extent that a Debtor's authorization given in Section 4.1(b) of this Agreement is not sufficient to file such financing statements with respect to this Agreement, or to file a photocopy of this Agreement in substitution for a financing statement, as the Secured Party may deem appropriate and to execute in such Debtor's name such financing statements and amendments thereto and continuation statements which may require such Debtor's signature;

(j) upon the occurrence and during the continuation of an Event of Default, generally to sell, transfer, pledge, make any agreement with respect to or otherwise deal with any of the Collateral as fully and completely as though the Secured Party were the absolute owners thereof for all purposes; and

(k) to do, at the Secured Party's option and at such Debtor's expense, at any time, or from time to time, all acts and things which the Secured Party reasonably deems necessary to protect or preserve or, upon the occurrence and during the continuation of an Event of Default, realize upon the Collateral and the Secured Party's lien therein, in order to effect the intent of this Agreement, all as fully and effectively as such Debtor might do.

Each Debtor hereby ratifies, to the extent permitted by law, all that such attorneys lawfully do or cause to be done by virtue hereof provided the same is performed in a commercially reasonable manner. The power of attorney granted hereunder is a power coupled with an interest and shall be irrevocable until the Obligations are indefeasibly paid in full in cash and this Agreement is terminated in accordance with Section 4.11 hereof.

Each Debtor also authorizes the Secured Party, at any time from and after the occurrence and during the continuation of any Event of Default, (x) to communicate in its own name with any party to any Contract with regard to the assignment of the right, title and interest of such Debtor in and under the Contracts hereunder and other matters relating thereto and (y) to execute, in connection with any sale of Collateral provided for in Section 4.5 hereof, any endorsements, assignments or other instruments of conveyance or transfer with respect to the Collateral.

4.10 Perfection. Prior to or concurrently with the execution and delivery of this Agreement, each Debtor shall:

(a) file such financing statements, record assignments for security and other documents in such offices as may be necessary or as the Secured Party or the Representative may request to perfect the security interests granted by Section 3 of this Agreement;

(b) at the Secured Party's request, deliver to the Secured Party or its Representative the originals of all Instruments together with, in the case of Instruments constituting promissory notes, allonges attached thereto showing such promissory notes to be payable to the order of a blank payee;

(c) deliver to the Secured Party or its Representative the originals of all Motor Vehicle Titles, duly endorsed indicating the Secured Party's interest therein as a lienholder, together with such other documents as may be required consistent with Section 4.1(d) hereof to perfect the security interest granted by Section 3 in all such Motor Vehicles (if any).

4.11 Termination; Partial Release of Collateral. This Agreement and the Liens and security interests granted hereunder shall not terminate until the termination of the Purchase Agreement and the Notes and the full and complete performance and indefeasible satisfaction of all the Obligations (i) in respect of the Transaction Documents (including, without limitation, the indefeasible payment in full in cash of all such Obligations) and (ii) with respect to which claims have been asserted by the Collateral Agent/ and or Purchaser, but excluding those obligations that survive the repayment of all principal, interest and other payments under the Purchase Agreement and the Notes, whereupon the

Secured Party shall forthwith cause to be assigned, transferred and delivered, against receipt but without any recourse, warranty or representation whatsoever, any remaining Collateral to or on the order of Debtors. The Secured Party shall also execute and deliver to Debtors upon such termination and at Debtors' expense such UCC termination statements, certificates for terminating the liens on the Motor Vehicles (if any), termination notices for accounts agreements (if any), and such other documentation as shall be reasonably requested by Debtors to effect the termination and release of the Liens and security interests in favor of the Secured Party affecting the Collateral.

4.12 Further Assurances. At any time and from time to time, upon the written request of the Secured Party or its Representative, and at the sole expense of Debtors, subject to the rights of holders of Permitted Liens, Debtors will promptly and duly execute and deliver any and all such further instruments, documents and agreements and take such further actions as the Secured Party or its Representative may reasonably require in order for the Secured Party to obtain the full benefits of this Agreement and of the rights and powers herein granted in favor of the Secured Party, including, without limitation, using Debtors' reasonable best efforts to secure all consents and approvals necessary or appropriate for the assignment to the Secured Party of any Collateral held by Debtors or in which a Debtor has any rights not heretofore assigned, the filing of any financing or continuation statements under the UCC with respect to the liens and security interests granted hereby, transferring Collateral to the Secured Party's possession (if a security interest in such Collateral can be perfected by possession), placing the interest of the Secured Party as lienholder on the certificate of title of any Motor Vehicle, and obtaining waivers of liens from landlords and mortgagees. Each Debtor also hereby authorizes the Secured Party and its Representative to file any such financing or continuation statement without the signature of such Debtor to the extent permitted by applicable law.

4.13 Limitation on Duty of Secured Party. The powers conferred on the Secured Party under this Agreement are solely to protect the Secured Party's interest in the Collateral and shall not impose any duty upon it to exercise any such powers. The Secured Party shall be accountable only for amounts that it actually receives as a result of the exercise of such powers, and neither the Secured Party nor its Representative nor any of their respective officers, directors, employees or agents shall be responsible to Debtors for any act or failure to act, except for gross negligence or willful misconduct. Without limiting the foregoing, the Secured Party and any Representative shall be deemed to have exercised reasonable care in the custody and preservation of the Collateral in their possession if such Collateral is accorded treatment substantially equivalent to that which the relevant Secured Party or any Representative, in its individual capacity, accords its own property consisting of the type of Collateral involved, it being understood and agreed that neither the Secured Party nor any Representative shall have any responsibility for taking any necessary steps (other than steps taken in accordance with the standard of care set forth above) to preserve rights against any Person with respect to any Collateral.

Also without limiting the generality of the foregoing, neither the Secured Party nor any Representative shall have any obligation or liability under any Contract or license by reason of or arising out of this Agreement or the granting to the Secured Party of a security interest therein or assignment thereof or the receipt by the Secured Party or any Representative of any payment relating to any Contract or license pursuant hereto, nor shall the Secured Party or any Representative be required or obligated in any manner to perform or fulfill any of the obligations of Debtors under or pursuant to any Contract or license, or to make any payment, or to make any inquiry as to the nature or the sufficiency of any payment received by it or the sufficiency of any performance by any party under any Contract or license, or to present or file any claim, or to take any action to collect or enforce any performance or the payment of any amounts which may have been assigned to it or to which it may be entitled at any time or times.

## Section 5. Miscellaneous.

5.1 No Waiver. No failure on the part of the Secured Party or any of its Representatives to exercise, and no course of dealing with respect to, and no delay in exercising, any

right, power or remedy hereunder shall operate as a waiver thereof, nor shall any single or partial exercise by the Secured Party or any of its Representatives of any right, power or remedy hereunder preclude any other or further exercise thereof or the exercise of any other right, power or remedy. The rights and remedies hereunder provided are cumulative and may be exercised singly or concurrently, and are not exclusive of any rights and remedies provided by law.

5.2 Governing Law. All questions concerning the construction, validity, enforcement and interpretation of this Agreement shall be governed by the internal laws of the State of New York, without giving effect to any choice of law or conflict of law provision or rule (other than Sections 5-1401 and 5-1402 of the New York General Obligations Law that would cause the application of the laws of any jurisdiction other than the State of New York.

5.3 Notices. All notices, approvals, requests, demands and other communications hereunder shall be delivered or made in the manner set forth in, and shall be effective in accordance with the terms of, the Purchase Agreement; provided, that, to the extent any such communication is being made or sent to a Debtor that is not the Company, such communication shall be effective as to such Debtor if made or sent to the Company in accordance with the foregoing. Debtors and the Secured Party may change their respective notice addresses by written notice given to each other party five (5) days prior to the effectiveness of such change.

5.4 Amendments, Etc. The terms of this Agreement may be waived, altered or amended only by an instrument in writing duly executed by the Debtor sought to be charged or benefited thereby and the Secured Party. Any such amendment or waiver shall be binding upon the Secured Party and the Debtor sought to be charged or benefited thereby and their respective successors and assigns.

5.5 Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of the respective successors and assigns of each of the parties hereto, provided, that no Debtor shall assign or transfer its rights hereunder without the prior written consent of the Secured Party. The Secured Party may assign its rights hereunder without the consent of Debtors, in which event such assignee shall be deemed to be the Secured Party hereunder with respect to such assigned rights.

5.6 Counterparts; Headings. This Agreement may be authenticated in any number of counterparts, all of which taken together shall constitute one and the same instrument and any of the parties hereto may authenticate this Agreement by signing any such counterpart. This Agreement may be authenticated by manual signature or facsimile, .pdf or similar electronic signature, all of which shall be equally valid. The headings in this Agreement are for convenience of reference only and shall not alter or otherwise affect the meaning hereof.

5.7 Severability. If any provision hereof is invalid and unenforceable in any jurisdiction, then, to the fullest extent permitted by law, (a) the other provisions hereof shall remain in full force and effect in such jurisdiction and shall be liberally construed in favor of the Secured Party and its Representative in order to carry out the intentions of the parties hereto as nearly as may be possible and (b) the invalidity or unenforceability of any provision hereof in any jurisdiction shall not affect the validity or enforceability of such provision in any other jurisdiction.

5.8 **SUBMISSION TO JURISDICTION; WAIVER OF VENUE; SERVICE OF PROCESS.** EACH DEBTOR HEREBY IRREVOCABLY SUBMITS TO THE EXCLUSIVE JURISDICTION OF ANY UNITED STATES FEDERAL OR NEW YORK STATE COURT SITTING IN THE CITY OF NEW YORK, BOROUGH OF MANHATTAN IN ANY ACTION OR PROCEEDING ARISING OUT OF OR RELATING TO THIS AGREEMENT AND EACH DEBTOR HEREBY IRREVOCABLY AGREES THAT ALL CLAIMS IN RESPECT OF SUCH ACTION OR PROCEEDING MAY BE HEARD AND DETERMINED IN ANY SUCH COURT AND IRREVOCABLY WAIVES ANY OBJECTION IT MAY NOW OR HEREAFTER HAVE AS

TO THE VENUE OF ANY SUCH SUIT, ACTION OR PROCEEDING BROUGHT IN SUCH A COURT OR THAT SUCH COURT IS AN INCONVENIENT FORUM. NOTHING HEREIN SHALL LIMIT THE RIGHT OF THE SECURED PARTY TO BRING PROCEEDINGS AGAINST ANY DEBTOR IN THE COURTS OF ANY OTHER JURISDICTION. ANY JUDICIAL PROCEEDING BY A DEBTOR AGAINST THE SECURED PARTY OR ANY AFFILIATE THEREOF INVOLVING, DIRECTLY OR INDIRECTLY, ANY MATTER IN ANY WAY ARISING OUT OF, RELATED TO, OR CONNECTION WITH THIS AGREEMENT SHALL BE BROUGHT ONLY IN A COURT IN NEW YORK, NEW YORK (AND THE SECURED PARTY HEREBY SUBMITS TO THE JURISDICTION OF SUCH COURT). NOTHING CONTAINED HEREIN SHALL BE DEEMED TO LIMIT IN ANY WAY ANY RIGHT OF THE SECURED PARTY TO SERVE PROCESS IN ANY MANNER PERMITTED BY LAW.

5.9 WAIVER OF RIGHT TO TRIAL BY JURY. EACH DEBTOR AND THE SECURED PARTY WAIVE THEIR RESPECTIVE RIGHTS TO A TRIAL BY JURY OF ANY CLAIM OR CAUSE OF ACTION BASED UPON OR ARISING OUT OF OR RELATED TO THIS AGREEMENT OR THE TRANSACTIONS CONTEMPLATED HEREBY, IN ANY ACTION, PROCEEDING OR OTHER LITIGATION OF ANY TYPE BROUGHT BY ANY OF THE PARTIES AGAINST ANY OTHER PARTY OR PARTIES, WHETHER WITH RESPECT TO CONTRACT CLAIMS, TORT CLAIMS, OR OTHERWISE. EACH DEBTOR AND THE SECURED PARTY AGREE THAT ANY SUCH CLAIM OR CAUSE OF ACTION SHALL BE TRIED BY A COURT TRIAL WITHOUT A JURY. WITHOUT LIMITING THE FOREGOING, THE PARTIES FURTHER AGREE THAT THEIR RESPECTIVE RIGHT TO A TRIAL BY JURY IS WAIVED BY OPERATION OF THIS SECTION 5.9 AS TO ANY ACTION, COUNTERCLAIM OR OTHER PROCEEDING WHICH SEEKS, IN WHOLE OR IN PART, TO CHALLENGE THE VALIDITY OR ENFORCEABILITY OF THIS AGREEMENT OR ANY PROVISION HEREOF. THIS WAIVER SHALL APPLY TO ANY SUBSEQUENT AMENDMENTS, RENEWALS, SUPPLEMENTS OR MODIFICATIONS TO THIS AGREEMENT.

5.10 Joint and Several. The obligations, covenants and agreements of Debtors hereunder shall be the joint and several obligations, covenants and agreements of each Debtor, whether or not specifically stated herein without preferences or distinction among them.

5.11 Concerning Collateral Agent. Collateral Agent shall act in accordance with the terms of the Purchase Agreement. The Collateral Agent may exercise or refrain from exercising any rights (including making demands and giving notices) and take or refrain from taking any action, in accordance with this Agreement and the Purchase Agreement. The Collateral Agent may employ agents and attorneys-in-fact in connection herewith and shall not be liable for the negligence or misconduct of any such agents or attorneys-in-fact selected by it in good faith. The Collateral Agent may resign and a successor Collateral Agent may be appointed by the Purchaser. On the acceptance of appointment as the successor Collateral Agent, that successor Collateral Agent shall thereupon succeed to and become vested with all the rights, powers, privileges and duties of the retiring Collateral Agent under this Agreement, and the retiring Collateral Agent shall thereupon be discharged from its duties and obligations under this Agreement. After any retiring Collateral Agent's resignation, the provisions hereof shall inure to its benefit as to any actions taken or omitted to be taken by it under this Agreement while it was the Collateral Agent.

5.12 No Strict Construction. The language used in this Agreement will be deemed to be the language chosen by the parties to express their mutual intent, and no rules of strict construction will be applied against any party.

5.13 ENTIRE AGREEMENT; AMENDMENT. THIS AGREEMENT, TOGETHER WITH THE OTHER TRANSACTION DOCUMENTS, SUPERSEDES ALL OTHER PRIOR ORAL OR WRITTEN AGREEMENTS BETWEEN THE SECURED PARTY, THE DEBTORS, THEIR AFFILIATES AND PERSONS ACTING ON THEIR BEHALF WITH RESPECT TO THE MATTERS DISCUSSED HEREIN, AND THIS AGREEMENT, TOGETHER WITH THE OTHER TRANSACTION DOCUMENTS AND THE OTHER INSTRUMENTS REFERENCED HEREIN AND THEREIN, CONTAIN THE ENTIRE UNDERSTANDING OF THE PARTIES WITH RESPECT TO THE MATTERS COVERED HEREIN AND THEREIN AND, EXCEPT AS SPECIFICALLY SET FORTH HEREIN OR THEREIN, NEITHER THE SECURED PARTY NOR ANY DEBTOR MAKES ANY REPRESENTATION, WARRANTY, COVENANT OR UNDERTAKING WITH RESPECT TO SUCH MATTERS. AS OF THE DATE OF THIS AGREEMENT, THERE ARE NO UNWRITTEN AGREEMENT BETWEEN THE PARTIES WITH RESPECT TO THE MATTERS DISCUSSED HEREIN. NO PROVISION OF THIS AGREEMENT MAY BE AMENDED, MODIFIED OR SUPPLEMENTED OTHER THAN BY AN INSTRUMENT IN WRITING SIGNED BY THE DEBTORS AND THE SECURED PARTY.

[Remainder of Page Intentionally Left Blank; Signature Page Follows]

IN WITNESS WHEREOF, the parties hereto have caused this Security Agreement to be duly executed and delivered as of the day and year first above written.

DEBTORS:

**Tactual Labs Co.**, a Delaware corporation

By: Steven Sanders

Name: Steven Sanders

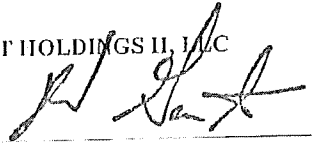
Title: President

[Signature Page to the Security Agreement]

**TRADEMARK**  
**REEL: 006179 FRAME: 0331**

THE SECURED PARTY:

GPB DEBT HOLDINGS II, LLC

By: 

Name: David Gentile

Title: Manager

Notice Address:  
535 West 24<sup>th</sup> Street, 4<sup>th</sup> Floor  
New York, NY 10011

[Signature Page to Security Agreement]

TACTUAL LABS CO.

MEMORANDUM OF TRADEMARK SECURITY INTEREST

This Memorandum of Trademark Security Interest, dated as of October 6, 2017, is between Tactual Labs Co., a Delaware corporation (the "Trademark Owner"), having a place of business at 200 Park Avenue, 17<sup>th</sup> Floor, New York, NY 10166, and GPB Debt Holdings II, LLC (the "Secured Party") under the Security Agreement (as defined below), having a place of business at 535 West 24th Street, 4th Floor, New York, NY 10011.

Pursuant to the Security Agreement dated as of October 6, 2017, as amended and in effect from time to time (the "Security Agreement"), among the Trademark Owner, its subsidiaries from time to time party thereto and the Secured Party, the Trademark Owner has granted to the Secured Party a security interest in certain trademarks and applications therefor listed in Exhibit A attached hereto and made a part hereof, together with the registrations thereof and other applications filed with respect to the trademarks covered thereby, or as a continuation in part, or division of any application mentioned above, or for reissue of any trademark mentioned above or granted on an application mentioned above, and any United States trademark issuing on any trademark application mentioned above or any renewals thereof (collectively, the "Collateral").

[Signature Page Follows]



The Trademark Owner and the Secured Party have executed this Memorandum of Trademark Security Interest effective as of the date first above written.

Trademark Owner:

Secured Party:

TACTUAL LABS CO.

GPB DEBT HOLDINGS II LLC

By Steven Sanders  
Name: Steven Sanders  
Title: President

By \_\_\_\_\_  
Name:  
Title:

[Signature Page to Memorandum of Trademark Security Interest]

**TRADEMARK**  
**REEL: 006179 FRAME: 0334**

The Trademark Owner and the Secured Party have executed this Memorandum of Trademark Security Interest effective as of the date first above written.

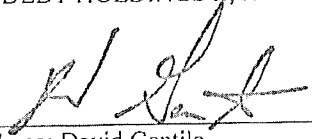
Trademark Owner:

Secured Party:

TACTUAL LABS CO.

GPB DEBT HOLDINGS II, LLC

By \_\_\_\_\_  
Name:  
Title:

By   
Name: David Gentile  
Title: Manager

[Signature Page to Memorandum of Trademark Security Interest]

**Schedule V**

1. Please see attached.
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)

Mark Name	Country	Status	Application Number	Filed Date	International Classes	Class Description	Registration Number	Registration Date
T (STYLIZED)	Australia	Registered	1713178	2015-08-10 9.42		<p>9 - Computer cursor control devices, namely, track pads, styl, 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.</p> <p>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 controllers. design and development of sensors and computer software for input source discrimination on a user interface.</p>	1713178	2015-08-10
TACTUAL	Austria	Application	14453609	2015-08-10 9		<p>9 - Computer cursor control devices, namely, track pads, styl, 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.</p>		

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

9 - Computer cursor control devices, namely track pads, stylji, 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 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  
 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

TACTUAL

Brazil

Published

909822441

2015-08-12 42

TACTUAL (STYLIZED)

Brazil

Published

909821828

2015-08-12 9,42

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 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, stylus, 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; 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

T (STYLIZED) Brazil 909822379 2015-08-12 42 Published

T (STYLIZED) Brazil 909822328 2015-08-12 9 Published

TACTUAL (STYLIZED) Brazil 909822123 2015-08-12 42 Published

9 - Computer cursor control devices, namely track pads, stylis, 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 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

TACTUAL

Brazil

Published

909822417 2015-08-12 9,42

9 - Computer cursor control devices, namely track pads, styl/ 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 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  
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

TACTUAL (STYLIZED)

Canada

Application

1741143 2015-08-10 9,42



9 - Computer cursor control devices, namely track pads, stylus, 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 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 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

TACTUAL

Canada

Application

1741141 2015-08-10 9,42

9 - Computer cursor control devices, namely track pads, styl, 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 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 [data 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 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.

T (STYLIZED)

Canada

Application

1741142

2015-08-10 9,42

TACTUAL (STYLIZED)

China

Registered

17647038A

2015-08-12 9

17647038A

2016-10-14

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 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 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 hardware for latency reduction for graphical user interfaces and controllers.

TACTUAL (STYLIZED)

China

Application

17647038 2015-08-12 9

TACTUAL

China

Registered

17647039 2015-08-12 42

17647039

2016-09-28

T (STYLIZED)

China

Registered

17646678A 2015-08-12 9

17646678A

2016-10-14

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 input source discrimination on a user interface; computer software for controllers and computer hardware for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers.

17646676 2016-09-28

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 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 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

17646676 2015-08-12 9

Registered

China

TACTUAL

17646678 2015-08-12 9

Application

China

T (STYLIZED)

17646677 2015-08-12 42

Application

China

T (STYLIZED)

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 controllers, design and development of sensors and computer software for input source discrimination on a user interface

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 [data processing equipment]

9 - computer software for input source discrimination on a user interface; computer software for controllers; computer software for latency reduction for computer cursor devices; computer software for latency reduction for graphical user interfaces and controllers.

TACTUAL (STYLIZED)

China

Published

17647037 2015-08-12 42

T (STYLIZED)

China

Application

Application No. will t 2017-06-19 9

TACTUAL

Denmark

Registered

VA201602341 2015-08-10 9

VR201700526

2017-03-02

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 42 - Design and development of computer hardware; design and development of computer software, design 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

T (STYLIZED)

European Union IPO

Registered

14453534 2015-08-10 9,42

14453534

2016-01-11

9 - Computer cursor control devices, namely, track pads, styl, 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  
 42 - Design and development of computer hardware; design and development of computer software; design 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

TACTUAL (STYLIZED)

European Union IPO

Registered

14453583 2015-08-10 9.42

14453583

2016-01-11

TACTUAL	European Union IPO	Registered	14453609	2015-08-10	9,42	<p>9 - optical sensors</p> <p>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 controllers, design and development of sensors and computer software for input source discrimination on a user interface.</p>	14453609	2016-10-13
TACTUAL	Finland	Registered	T201600458	2015-08-10	9	<p>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.</p>	268761	2017-02-23
TACTUAL	France	Application	14453609	2015-08-10	9	<p>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.</p>		



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 for latency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers.

3.02016E+11 2016-12-02

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 latency reduction for graphical user interfaces and controllers

303502430 2016-12-29

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 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

3.02016E+11 2015-08-10 9

Germany (Federal Republic Registered)

TACTUAL

303502430 2015-08-11 9,42

Registered

Hong Kong

TACTUAL (STYLIZED)

9 - Computer cursor control devices, namely track pads, styl, 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 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

T (STYLIZED)

Hong Kong

Registered

303502449 2015-08-11 9,42

303502449

2016-04-05

9 - Computer cursor control devices, namely track pads, stylus, 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 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 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

2016-12-29

303502421

2015-08-11 9,42

303502421

Registered

Hong Kong

TACTUAL

9 - Computer cursor control devices, namely track pads, stylji, 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

3028500 2016-09-03

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 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

3028500 2015-08-10 9.42

Registered

India

TACTUAL (STYLIZED)

9 - Computer cursor control devices, namely track pads, styls, 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 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

T (STYLIZED)

India

Application

3028503

2015-08-10 9,42

9 - Computer cursor control devices, namely track pads, styl, 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 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, styl, 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.

TACTUAL

India

Application

3028505

2015-08-10 9,42

TACTUAL

Italy

Application

14453609

2015-08-10 9

9 - Computer input devices for controlling computer cursors; track pads, styli, computer display panels and screens; Electric or electronic sensors; Proximity sensors; Pressure measuring sensor; Optical sensors; Sensors for determining position; User interface computer input devices and computer software for information exchange between human and machines; Computer software for controllers and computer hardware for controllers; Computer software 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 and computer hardware for computer cursor control devices, controllers; Design and development of computer software for cursor control; Design and development of computer software and computer 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 user interface computer input devices and computer software for information exchange between human and machines

2015-08-11 9,42

2015-077539

Allowed

Japan

TACTUAL (STYLIZED)

9 - Computer input devices for controlling computer cursors; track pads, styli, computer display panels and screens; Electric or electronic sensors; Proximity sensors; Pressure measuring sensor; Optical sensors; Sensors for determining position; User interface computer input devices and computer software for information exchange between human and machines; Computer software for controllers and computer hardware for controllers; Computer software 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 and computer hardware for computer cursor control devices, controllers; Design and development of computer software for cursor control; Design and development of computer software and computer 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 user interface computer input devices and computer software for information exchange between human and machines

2015-08-11 9.42

2015-077540

Allowed

Japan

T (STYLIZED)



9 - Computer input devices for controlling computer cursors; track pads, styli, computer display panels and screens; Electric or electronic sensors; Proximity sensors; Pressure measuring sensor; Optical sensors; Sensors for determining position; User interface computer input devices and computer software for 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 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 and computer hardware for computer cursor control devices, controllers; Design and development of computer software for cursor control; Design and development of computer software and computer 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 user interface computer input devices and computer software for information exchange between human and machines

TACTUAL

Japan

Allowed

2015-077541

2015-08-11 9,42

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 on a user interface, 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

2016-07-06

45-0066262

2015-08-12 9.42

45-2015-0007418

Registered

Korea, Republic of (KR)

T (STYLIZED)

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 controllers, design and development of sensors and computer software for input source discrimination on a user interface

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 on a user interface, 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

2016-07-06

45-0066263

2015-08-12 9.42

45-2015-0007419

Registered

Korea, Republic of (KR)

TACTUAL

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 controllers, design and development of sensors and computer software for input source discrimination on a user interface

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 on a user interface, computer software for input source discrimination on a user interface; computer software for controllers and computer hardware for controllers and computer software for latency reduction for computer cursor control devices; computer software and computer hardware for latency reduction for graphical user interfaces and controllers

2016-07-06

45-0066261

2015-08-12 9,42

45-2015-0007417

Registered

Korea, Republic of (KR)

TACTUAL (STYLIZED)

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 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; 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

2015-08-11 9

1643588

Application

Mexico

TACTUAL

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 controllers, design and development of sensors and computer software for input source discrimination on a user interface

1587984 2015-11-09

9 - Computer cursor control devices, namely track pads, stylif, 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 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

1587985 2015-11-09

T (STYLIZED) Mexico Registered 1643589 2015-08-11 42

TACTUAL (STYLIZED) Mexico Application 1643592 2015-08-11 9

TACTUAL (STYLIZED) Mexico Registered 1643591 2015-08-11 42

9 - Computer cursor control devices, namely track pads, styl, 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

1593036 2015-11-25

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 controllers, design and development of sensors and computer software for input source discrimination on a user interface

1587983 2015-11-09

9 - Computer cursor control devices, namely, track pads, styl, 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.

T (STYLIZED)

Mexico Registered 1643590 2015-08-11 9

TACTUAL

Mexico Registered 1643587 2015-08-11 42

TACTUAL

Poland Application 14453609 2015-08-10 9

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 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

582627 2016-08-01

2015725058 2015-08-11 9,42

Registered

Russian Federation

TACTUAL

9 - computer cursor control devices, namely, track pads, stylus, 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 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

T (STYLIZED)

Russian Federation

Registered

2015725056 2015-08-11 9,42

582625

2016-08-01



9 - computer cursor control devices, namely, track pads, styl, 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 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

582626 2016-08-01

2015725057 2015-08-11 9.42

Registered

Russian Federation

TACTUAL (STYLIZED)

9 - Computer cursor control devices, namely track pads, stylus, 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 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

2015-08-11

40201513919T

2015-08-11 9,42

40201513919T

Registered

Singapore

TACTUAL

9 - Computer cursor control devices, namely track pads, stylis, 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 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  
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

TACTUAL (STYLIZED)

Singapore

Registered 40201513915R

2015-08-11 9,42

2015-08-11

9 - Computer cursor control devices, namely track pads, stylus, 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 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 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

2015-08-11

40201513917Q

Registered

2015-08-11 9,42

40201513917Q

Registered

Singapore

T (STYLIZED)

9 - Computer cursor control devices, namely, track pads, stylus, 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 graphical user interfaces and controllers

2017-03-27

3632196

Registered

2015-08-10 9

3632196

Registered

Spain

TACTUAL

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 graphical user interfaces and controllers.

536768 2016-12-27

Registered 2016/16536 2015-08-10 9

Sweden

TACTUAL

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 graphical user interfaces and controllers.

1766400 2016-04-16

Registered 104046880 2015-08-11 9,42

Taiwan

T (STYLIZED)

9 - Computer cursor control devices, namely, track pads, styl, 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 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

TACTUAL

Taiwan

Application

104046881

2015-08-11 9,42

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 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 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  
 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

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 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

TACTUAL (STYLIZED)

Taiwan

Application

104046879

2015-08-11 9,42

TACTUAL (STYLIZED)

United States of America

Allowed

869860,313

2015-02-13 42

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 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, stylus, 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 - Computer cursor control devices, namely, track pads, stylus, 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

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 controllers, design and development of sensors and computer software for input source discrimination on a user interface

5,070,266 2016-10-25

5,088,514 2016-11-22

T (STYLIZED) United States of America Registered 86/980,371 2015-02-13 9,42

TACTUAL (STYLIZED) United States of America Allowed 86/534,094 2015-02-13 9

T (STYLIZED) United States of America Allowed 86/534,093 2015-02-13 9

TACTUAL United States of America Registered 86/980,312 2015-02-13 42



TACTUAL (STYLIZED)	United States of America	Allowed	86/980,093	2015-02-13	9	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 - Computer cursor control devices, namely, track pads, stylus, 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	5,047,143	2016-09-20
TACTUAL	United States of America	Allowed	86/534,091	2015-02-13	9	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 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 - Electric or electronic sensors; proximity sensors; computer software for controllers and computer hardware for hardware for latency reduction for graphical user interfaces and controllers 9 - Computer cursor control devices, namely, track pads, stylus, 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	5,088,510	2016-11-22
TACTUAL LABS (STYLIZED)	United States of America	Registered	86/980,060	2015-02-13	9,42			
TACTUAL	United States of America	Registered	86/980,092	2015-02-13	9			
TACTUAL LABS (STYLIZED)	United States of America	Allowed	86/534,090	2015-02-13	9			