

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM445511

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|---|---|-----------------------|-----------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT | | |
| NATURE OF CONVEYANCE: | SECURITY INTEREST | | |
| CONVEYING PARTY DATA | | | |
| Name | Formerly | Execution Date | Entity Type |
| SYNAPTICS INCORPORATED | | 09/27/2017 | Corporation: DELAWARE |
| RECEIVING PARTY DATA | | | |
| Name: | WELLS FARGO BANK, NATIONAL ASSOCIATION | | |
| Street Address: | 1525 WEST W.T. HARRIS BLVD. | | |
| Internal Address: | MAC D1109-019 | | |
| City: | CHARLOTTE | | |
| State/Country: | NORTH CAROLINA | | |
| Postal Code: | 28262 | | |
| Entity Type: | National Banking Association: UNITED STATES | | |
| PROPERTY NUMBERS Total: 1 | | | |
| Property Type | Number | Word Mark | |
| Registration Number: | 4896056 | SYNAPTICS TYPEGUARD | |
| CORRESPONDENCE DATA | | | |
| Fax Number: | 9495676710 | | |
| <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> | | | |
| Phone: | 212-506-5150 | | |
| Email: | achen@orrick.com | | |
| Correspondent Name: | ORRICK, HERRINGTON & SUTCLIFFE LLP | | |
| Address Line 1: | 2050 MAIN STREET, SUITE 1100 | | |
| Address Line 2: | IP PROSECUTION DEPARTMENT | | |
| Address Line 4: | IRVINE, CALIFORNIA 92614-8255 | | |
| ATTORNEY DOCKET NUMBER: | 1696-580 | | |
| NAME OF SUBMITTER: | Bradford S. Breen | | |
| SIGNATURE: | /Bradford Breen/ | | |
| DATE SIGNED: | 10/02/2017 | | |
| Total Attachments: 8 | | | |
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AMENDED AND RESTATED TRADEMARK SECURITY AGREEMENT

This **AMENDED AND RESTATED TRADEMARK SECURITY AGREEMENT**, dated as of September 27, 2017 (as amended, restated, supplemented or otherwise modified from time to time, this “Agreement”), amends and restates the Trademark Security Agreement, dated as of September 30, 2014, recorded in the United States Patent & Trademark Office on October 3, 2014, at reel 005374, frame 0511 is made by the entity identified as a grantor on the signature pages hereto (the “Grantor”) in favor of WELLS FARGO BANK, NATIONAL ASSOCIATION, as administrative agent for the Secured Parties (in such capacity together with its successors and permitted assigns, the “Administrative Agent”).

WHEREAS the Grantor is party to a Collateral Agreement, dated as of September 30, 2014 (as amended, restated, supplemented or otherwise modified from time to time, the “Collateral Agreement”) among the Grantor and the other grantors from time to time party thereto and the Administrative Agent pursuant to which the Grantor granted a security interest to the Administrative Agent in the Trademark Collateral (as defined below) and is required to execute and deliver this Agreement.

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

SECTION 1. DEFINED TERMS

Unless otherwise defined herein, terms used herein (including in the preamble of this Agreement) shall have the meanings given to them in the Collateral Agreement and the Credit Agreement (as defined in the Collateral Agreement), as applicable.

SECTION 2. GRANT OF SECURITY INTEREST

SECTION 2.1 Scope of Grant. The Grantor, as security for the payment and performance in full of the Secured Obligations of the Grantor (including, without limitation, if the Grantor is a Subsidiary Guarantor, the Secured Obligations of the Grantor arising under the Subsidiary Guaranty Agreement), hereby pledges to the Administrative Agent, for the benefit of the Secured Parties, and hereby grants to the Administrative Agent, for the benefit of the Secured Parties, a security interest in all right, title and interest in or to any and all of the following assets and properties now owned or at any time hereafter acquired by the Grantor or in which the Grantor now has or at any time in the future may acquire any right, title or interest (collectively, the “Trademark Collateral”):

- (i) all trademarks, trade names, corporate names, company names, business names, fictitious business names, internet domain names, trade styles, service marks, logos, other business identifiers, whether registered or unregistered, all registrations and recordings thereof, and all applications in connection therewith (other than each application to register any trademark or service mark prior to the filing under Applicable Law of a verified statement of use for such trademark or service mark) anywhere in the United States, including, without limitation, registrations and registration applications in

the United States Patent and Trademark Office (“USPTO”), including, without limitation, the registrations and registrations applications listed on Schedule A hereto,

(ii) all reissues, extensions, continuations (in whole or in part) and renewals of any of the foregoing,

(iii) all income, royalties, damages and payments now or hereafter due and/or payable under any of the foregoing or with respect to any of the foregoing, including, without limitation, damages or payments for past, present or future infringements of any of the foregoing,

(iv) the right to sue for past, present or future infringements of any of the foregoing,

(v) all rights corresponding to any of the foregoing (including, without limitation, the goodwill), and

(vi) to the extent not otherwise included, all Proceeds and products of any and all of the foregoing, all Accessions to any of the foregoing and all collateral security and Supporting Obligations (as now or hereafter defined in the UCC) given by any Person with respect to any of the foregoing;

provided that the security interest granted herein shall not extend to, and the term “Trademark Collateral” shall not include, (a) any obligation or property of any kind due from, owed by or belonging to any Sanctioned Person or (b) any Excluded Assets.

SECTION 2.2 Certain Limited Exclusions. Notwithstanding anything herein to the contrary, in no event shall the Trademark Collateral include or the security interest granted under Section 2.1 attach to any “intent-to-use” application for registration of a Trademark filed pursuant to Section 1(b) of the Lanham Act, 15 U.S.C. § 1051, prior to the filing, and acceptance by the USPTO, of a “Statement of Use” pursuant to Section 1(d) of the Lanham Act or an “Amendment to Allege Use” pursuant to Section 1(c) of the Lanham Act with respect thereto, solely to the extent, if any, that, and solely during the period, if any, in which, the grant of a security interest therein would impair the validity or enforceability of any registration that issues from such intent-to-use application under applicable federal law.

SECTION 3. COLLATERAL AGREEMENT

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

SECTION 4. RECORDATION

The Grantor hereby authorizes and requests that the USPTO record this Agreement.

SECTION 5. TERMINATION

This Agreement shall terminate and the lien on and security interest in the Trademark Collateral shall be released upon the payment and performance of the Secured Obligations (other than contingent indemnification obligations not then due). Upon the termination of this Agreement, the Administrative Agent shall, at the expense of the Grantor, execute all documents, make all filings and take all other actions reasonably requested by the Grantor to evidence and record the release of the lien on and security interests in the Trademark Collateral granted herein.

SECTION 6. GOVERNING LAW

This Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.

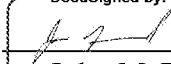
SECTION 7. COUNTERPARTS

This Agreement may be executed in any number of counterparts and by different parties hereto in separate counterparts, each of which when so executed shall be deemed to be an original and shall be binding upon all parties, their successors and assigns, and all of which taken together shall constitute one and the same agreement. Delivery of an executed counterpart of a signature page to this Agreement or any document or instrument delivered in connection herewith by facsimile or other electronic transmission shall be effective as delivery of a manually executed counterpart of this Agreement or such other document or instrument, as applicable.

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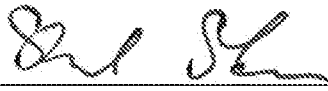
IN WITNESS WHEREOF, the Grantor has caused this Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

SYNAPTICS INCORPORATED, as Grantor

DocuSigned by:
By: 
Name: John M. Farland
Title: Senior Vice President, General Counsel
and Secretary

Acknowledged and Agreed:

**WELLS FARGO BANK, NATIONAL
ASSOCIATION**, as Administrative Agent

By:  _____

Name: S. Michael St. Geme

Title: Managing Director

**SCHEDULE A
to
TRADEMARK SECURITY AGREEMENT**

[See Attached]

Schedule A

OHSUSA:767410445

**TRADEMARK
REEL: 006168 FRAME: 0855**

| Trademark | Owner | Country | Filing Date | Registration Date | Registration No. | Status |
|---|---|-----------------------------|-------------|-------------------|------------------|------------|
| QDEO | Synaptics Incorporated Synaptics LLC | United States of America | 2/27/2007 | 1/12/2010 | 3,737,355 | Registered |
| QDEO | Synaptics Incorporated Synaptics LLC | United States of America | 10/5/2009 | 2/7/2012 | 4,094,975 | Registered |
| QDEO Design | Synaptics Incorporated Synaptics LLC | United States of America | 10/19/2007 | 3/22/2011 | 3,934,752 | Registered |
| QDEO Design | Synaptics Incorporated Synaptics LLC | United States of America | 10/5/2009 | 2/7/2012 | 4,094,976 | Registered |
| VMETA | Synaptics Incorporated Synaptics LLC | United States of America | 4/2/2009 | 4/16/2013 | 4,321,296 | Registered |
| AUDIOSMART | Synaptics Incorporated | United States of America | 1/9/2014 | 4/18/2017 | 5188184 | Registered |
| C DESIGN | Synaptics Incorporated | United States of America | 10/26/1998 | 1/22/2002 | 2532487 | Registered |
| C DESIGN | Synaptics Incorporated | United States of America | 10/26/1998 | 7/15/2003 | 2736991 | Registered |
| C DESIGN | Synaptics Incorporated | United States of America | 4/10/2000 | 3/20/2001 | 2437153 | Registered |
| CONEXANT | Synaptics Incorporated | United States of America | 9/3/1998 | 1/8/2002 | 2527871 | Registered |
| CONEXANT | Synaptics Incorporated | United States of America | 4/7/2000 | 3/19/2002 | 2550994 | Registered |
| CONEXANT | Synaptics Incorporated | United States of America | 9/3/1998 | 10/28/2003 | 2778090 | Registered |
| CONEXANT AND C DESIGN | Synaptics Incorporated | United States of America | 5/13/1999 | 8/19/2003 | 2753392 | Registered |
| CONEXANT AND C DESIGN | Synaptics Incorporated | United States of America | 5/13/1999 | 1/15/2002 | 2530331 | Registered |
| CONEXANT AND C LOGO DESIGN (VERTICAL) | Synaptics Incorporated | United States of America | 5/13/1999 | 1/8/2002 | 2528063 | Registered |
| DIGICOLOR | Synaptics Incorporated | United States of America | 2/17/2004 | 6/14/2005 | 2962456 | Registered |
| NETWAITING | Synaptics Incorporated | United States of America | 5/11/2001 | 9/9/2003 | 2762380 | Registered |
| SMARTDAA | Synaptics Incorporated | United States of America | 7/9/1998 | 12/4/2001 | 2515838 | Registered |
| AUDIOSMART | Synaptics Incorporated | United States of America | 1/9/2014 | | | Allowed |
| EXPERIENCE SMART | Synaptics Incorporated | United States of America | 1/9/2014 | | | Allowed |
| ChiralMotion | Synaptics Incorporated | United States of America | 23-May-06 | 11-Mar-08 | 3,396,332 | Registered |
| Synaptics Logo Desig | Synaptics Incorporated | United States of America | 20-Apr-07 | 20-May-08 | 3,429,710 | Registered |
| ChiralMotion and De | Synaptics Incorporated | United States of America | 19-Oct-07 | 31-Mar-09 | 3,599,477 | Registered |
| ClearPad | Synaptics Incorporated | United States of America | 29-Nov-07 | 3-Jun-08 | 3,440,547 | Registered |
| ClickEQ | Synaptics Incorporated | United States of America | 13-Nov-09 | 22-Oct-13 | 4,422,177 | Registered |
| ClickSmart | Synaptics Incorporated | United States of America | 9-Aug-11 | 22-Sep-15 | 4818140 | Registered |
| VIEWXPAND | Synaptics Incorporated | United States of America | 18-Jun-09 | 3-Apr-12 | 4,122,162 | Registered |
| ThinTouch | Synaptics Incorporated | United States of America | 30-Mar-11 | 18-Sep-12 | 4,211,056 | Registered |
| Synaptics TypeGuard | Synaptics Incorporated | United States of America | 16-Sep-13 | 2-Feb-16 | 4896056 | Registered |
| LIVEFLEX | Synaptics Incorporated | United States of America | 10-May-05 | 27-Nov-07 | 3,345,277 | Registered |
| SecureMatch | Synaptics Incorporated | United States of America | 30-Jul-08 | 1-Dec-09 | 3,719,541 | Registered |
| EzSense | Synaptics Incorporated | United States of America | 30-Mar-09 | 27-Sep-11 | 4,032,026 | Registered |

| | | | | | | |
|--------------------------------|------------------------|--------------------------|-----------|-------------|-----------|------------|
| PASSWORD INDEPENDENT | Synaptics Incorporated | United States of America | 4-Jan-10 | 04-Oct-2011 | 4,035,598 | Registered |
| ClearForce | Synaptics Incorporated | United States of America | 18-Jun-15 | 6-Sep-16 | 5037626 | Registered |
| SmartBar | Synaptics Incorporated | United States of America | 22-Jul-15 | 6-Sep-16 | 5037743 | Registered |
| SentryPoint | Synaptics Incorporated | United States of America | 20-Oct-15 | | | Published |
| SideTouch | Synaptics Incorporated | United States of America | 29-Jan-16 | 5-Sep-17 | 5282017 | Registered |
| DeepScan | Synaptics Incorporated | United States of America | 25-Oct-16 | | | Published |
| PurePrint | Synaptics Incorporated | United States of America | 10-Oct-16 | | | Published |
| Quantum Matcher | Synaptics Incorporated | United States of America | 10-Oct-16 | | | Published |
| QUICKSTROKE | Synaptics Incorporated | United States of America | 27-Mar-98 | 30-Nov-99 | 2296920 | Registered |
| SYNAPTICS | Synaptics Incorporated | United States of America | 24-Nov-04 | 17-Oct-06 | 3160325 | Registered |
| Natural ID | Synaptics Incorporated | United States of America | 1-May-14 | 14-Feb-17 | 5142138 | Registered |
| SYNAPTICS | Synaptics Incorporated | United States of America | 7-Jun-16 | | | Pending |
| MULTIMATCH | Synaptics Incorporated | United States of America | 12-Apr-17 | | | Pending |
| ACTIVESHIELD | Synaptics Incorporated | United States of America | 3-Aug-17 | | | Pending |
| FORCEPAD | Synaptics Incorporated | United States of America | 3-Feb-12 | 14-Apr-15 | 4720506 | Registered |
| IDT PANELPORT | Synaptics Incorporated | United States of America | 15-May-07 | 22-Dec-09 | 3,728,891 | Registered |
| HAPTICTOUCH | Synaptics Incorporated | United States of America | 14-Jun-08 | 28-Apr-09 | 3,611,459 | Registered |
| FACE DETECT PLUS | Synaptics Incorporated | United States of America | 16-Sep-13 | | | Pending |
| VALIDITY | Synaptics Incorporated | United States of America | 17-Oct-05 | 19-Sep-06 | 3,145,308 | Registered |
| V VALIDITY (Stylized) | Synaptics Incorporated | United States of America | 30-Jul-08 | 13-Oct-09 | 3,694,756 | Registered |
| VALIDITY SENSORS | Synaptics Incorporated | United States of America | 17-Oct-05 | 20-Mar-07 | 3,219,646 | Registered |
| TOUCH OF COLOR | Synaptics Incorporated | United States of America | 30-Jul-08 | 1-Dec-09 | 3,719,542 | Registered |
| V (Stylized) | Synaptics Incorporated | United States of America | 30-Jul-08 | 6-Oct-09 | 3,691,245 | Registered |
| Thumbprint Design | Synaptics Incorporated | United States of America | 23-Dec-08 | 6-Apr-10 | 3,772,935 | Registered |
| SECURESENSE | Synaptics Incorporated | United States of America | 27-Feb-09 | 31-May-11 | 3,971,051 | Registered |
| GIVE YOUR PASSWORDS THE FINGER | Synaptics Incorporated | United States of America | 8-Apr-09 | 23-Nov-10 | 3,880,745 | Registered |