

02-27-2003

FORM PTO-1594

RECORDATION
TRADE



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

(Rev. 03/01)

OMB No. 0651-0027 (exp. 05/31/2002)

2-24-03

102375412

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
SYNAPTICS, INC.

Individual(s) Association
 General Partnership Limited Partnership
 Corporation-State DE
 Other

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
Name: **Silicon Valley Bank**
Internal Address: HA155

Street Address: 3003 Tasman Drive

City: Santa Clara State: CA ZIP: 95054

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: **08/30/01**

Individual(s) citizenship
 Association
 General Partnership
 Limited Partnership
 Corporation-State-Delaware
 Other

If assignee is not domiciled in the United States, a domestic representative designation is attached: Yes No
Additional name(s) & address(es) attached? Yes No

4. Application number(s) or registration number(s):

A. Trademark Application No.(s)
78/126,051

B. Trademark No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **Silicon Valley Bank**

Internal Address: Loan Documentation HA155

Street Address: 3003 Tasman Dr.

City: Santa Clara State: Ca ZIP: 95054

6. Total number of applications and registrations involved: 1

7. Total fee (37 CFR 3.41): \$40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

02/26/2003 ECOOPER 00000163 78126051
01 FC:AS21 40.00 DP

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

MARIBEL ARTEAGA 02/13/2003
Name of Person Signing Maribel Arteaga Signature Date

FOR REC

Total number of pages including cover sheet, attachments, and document: 6

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patent & Trademarks, Box Assignments
Washington, D.C. 20231

TRADEMARK
REEL: 002678 FRAME: 0874

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement is entered into as of August 30, 2001 by and between SILICON VALLEY BANK ("Bank") and SYNAPTICS INCORPORATED ("Grantor").

RECITALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodation to Grantor (the "Loans") in the amounts and manner set forth in that certain Loan and Security Agreement by and between Bank and Grantor dated August 30, 2001 (as the same may be amended, modified or supplemented from time to time, the "Loan Agreement"; capitalized terms used herein are used as defined in the Loan Agreement). Bank is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks, Patents, and Mask Works to secure the obligations of Grantor under the Loan Agreement.

B. Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

To secure its obligations under the Loan Agreement, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its Intellectual Property Collateral (including without limitation those Copyrights, Patents, Trademarks and Mask Works listed on Schedules A, B, C, and D hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all re-issues, divisions continuations, renewals, extensions and continuations-in-part thereof.

This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement and the other Loan Documents, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy of Bank provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Bank of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any Bank designee, including Bank, of any or all other rights, powers or remedies.

IN WITNESS WHEREOF, the parties have cause this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

SYNAPTICS INCORPORATED

Address of Grantor:

2381 Bering Drive
San Jose, CA 95131

Attn: CFO

By: R J Kuttel

Title: VP CFO

BANK:

SILICON VALLEY BANK

Address of Bank:

3003 Tasman Drive
Santa Clara, CA 95054-1191

Attn: _____

By: Amey Drake

Title: VP

EXHIBIT A

COPYRIGHTS

DESCRIPTION

REGISTRATION/
APPLICATION NO

REGISTRATION/
APPLICATION DATE

NONE

EXHIBIT B

PATENTS

<u>DESCRIPTION</u>	<u>REGISTRATION/ APPLICATION NO</u>	<u>REGISTRATION/ APPLICATION DATE</u>
E/TOUCH SCREEN WITH USER INTERFACE ENHANCEMENT	60/291,694	05/16/2001
E/CAPACITIVE MOUSE	60/163,635	11/04/1999
E/IDENTITY VERIFICATION METHODS	6,430,305	12/20/1996
E/PEN DRAWING COMPUTER INPUT DEVICE	6,380,929	04/30/2002
E/METHOD AND APPARATUS FOR TREATING CHRONIC PAIN SYNDROMES, TREMOR, DEMENTIA AND RELATED DISORDERS AND FOR INDUCING ELECTROANESTHESIA USING HIGH FREQUENCY, HIGH INTENSITY TRANSCUTANEOUS ELECTRICAL NERVE STIMULATION	6,161,044	12/12/2000
E/METHOD AND APPARATUS FOR SCROLL BAR CONTROL	5,943,052	08/24/1999
E/SUBTHRESHOLD CMOS AMPLIFIER WITH OFFSET ADAPTATION	4,935,702	06/19/1999

EXHIBIT c

TRADEMARKS

<u>DESCRIPTION</u>	<u>REGISTRATION/ APPLICATION NO</u>	<u>REGISTRATION/ APPLICATION DATE</u>
CPAD	78/126,051	MAY 3, 2002