

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM861471

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Silvaco, Inc.		12/14/2023	Corporation: DELAWARE
RECEIVING PARTY DATA			
Name:	EAST WEST BANK		
Street Address:	2350 MISSION COLLEGE BLVD., SUITE 988		
City:	SANTA CLARA		
State/Country:	CALIFORNIA		
Postal Code:	95054		
Entity Type:	CORPORATION: CALIFORNIA		
PROPERTY NUMBERS Total: 5			
Property Type	Number	Word Mark	
Registration Number:	6073617	VIRTUAL WAFER FAB	
Registration Number:	5031487	SILVACO	
Registration Number:	4274477	IPEXTREME	
Serial Number:	98196637	PCAIO	
Serial Number:	98196618	FTCO	
CORRESPONDENCE DATA			
Fax Number:	6506440520		
<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:	6506483802		
Email:	PATTY@PATTYCHENG.COM		
Correspondent Name:	PATTY CHENG		
Address Line 1:	2625 MIDDLEFIELD RD., #215		
Address Line 4:	PALO ALTO, CALIFORNIA 94306		
NAME OF SUBMITTER:	Patty Cheng		
SIGNATURE:	/s/ Patty Cheng		
DATE SIGNED:	12/15/2023		
Total Attachments: 6			
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INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT is entered into as of December 14, 2023 by and between Silvaco Group, Inc., a Delaware corporation (“Parent”) and Silvaco, Inc., a Delaware corporation (“Silvaco”) and East West Bank, a California corporation (“Bank”). Parent and Silvaco are each referred to herein as a “Grantor” and collectively, as the “Grantors”.

RECITALS

Bank has agreed to make certain advances of money and to extend certain financial accommodations to Grantors in the amounts and manner set forth in that certain Loan and Security Agreement by and between Bank and Grantors dated as of the date hereof and as amended from time to time (the “Loan Agreement”). Capitalized terms used herein have the meaning assigned in the Loan Agreement. Bank is willing to make the financial accommodations to Grantors, but only upon the condition, among others, that each Grantor grants to Bank a security interest in all of such Grantor’s right title, and interest in, to and under all of the Collateral whether presently existing or hereafter acquired.

NOW, THEREFORE, each Grantor agrees as follows:

AGREEMENT

To secure performance of each Grantor’s obligations under the Loan Agreement, each Grantor grants to Bank a security interest in all of such Grantor’s right, title and interest in its intellectual property (including without limitation those Copyrights, Patents and Trademarks listed on Exhibits A, B, and C hereto), 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). This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. Each right, power and remedy of Bank provided for herein or in the Loan Agreement shall not preclude the simultaneous or later exercise by Bank of any or all other rights, powers or remedies.

Grantors represent and warrant that Exhibits A, B, and C attached hereto set forth any and all intellectual property rights in connection to which any Grantor, as of the date hereof, has registered or filed an application with either the United States Patent and Trademark Office or the United States Copyright Office, as applicable. Grantors hereby authorize Bank to (a) modify this Agreement unilaterally by amending the exhibits to this Agreement to include any Intellectual Property which a Grantor obtains subsequent to the date of this Agreement, and (b) file a duplicate original of this Agreement containing amended exhibits reflecting such new intellectual property.

This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute the same instrument. In the event that any signature is executed and delivered by e-mail delivery of a “.pdf” format data file or electronic signature complying with the U.S. federal E-SIGN Act of 2000, such signature shall create a valid and binding obligation of the party executing (or on whose behalf such signature is executed) with the same force and effect as if such “.pdf” or electronic signature page were an original hereof, with full legal force and effect, and the parties waive any rights they may have to object to such treatment.

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IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed as of the first date written above.

Address of Grantors:

4701 Patrick Henry Drive, Building #23
Santa Clara, CA 95054
Attn: Chief Executive Officer

SILVACO GROUP, INC.

By: *Katherine Pesic*
Print Name: Kathy Pesic
Title: Chairwoman of the Board

SILVACO, INC.

By: *Katherine Pesic*
Print Name: Kathy Pesic
Title: chairwoman of the Board

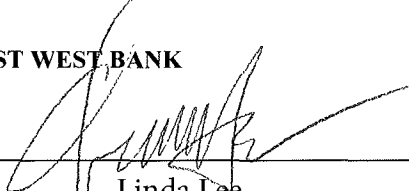
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IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed as of the first date written above.

Address of Bank:

2350 Mission College Blvd., Suite 988
Santa Clara, CA 95054
Attn: Linda Lee

EAST WEST BANK

By:  _____

Print Name: Linda Lee

Title: Senior Vice President

EXHIBIT A

Copyrights

Registered Owner	Title	Registration Number	Registration Date
Silvaco, Inc.	Clever - 3D interconnect extraction	TX0008599301	2018-06-06
Silvaco, Inc.	Gateway and 8 Other Unpublished Works	TXu002328333	2022-07-12

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EXHIBIT B


Patents

Registered Owner	Title	Application / Patent Number	Application / Issue Date
Silvaco, Inc.	LIBRARY SIZING	8,015,517	Sep. 6, 2011
Silvaco, Inc.	LIBRARY ENRICHMENT	8,219,962	Jul. 10, 2012
Silvaco, Inc.	OPTIMIZATION OF INTEGRATED CIRCUIT DESIGN AND LIBRARY	8,024,695	Sep. 20, 2011
Silvaco, Inc.	OPTIMIZING A CIRCUIT DESIGN LIBRARY	8,271,930	Sep. 18, 2012
Silvaco, Inc.	CELL UNIQUIFICATION	8,214,787	Jul. 3, 2012
Silvaco, Inc.	CELL UNIQUIFICATION	8,607,184	Dec. 10, 2013
Silvaco, Inc.	ENRICHING A CELL LIBRARY	8,607,185	Dec. 10, 2013
Silvaco, Inc.	CIRCUIT DESIGN LIBRARY OPTIMIZATION	8,484,603	Jul. 9, 2013
Silvaco, Inc.	SIZING A CELL LIBRARY	8,615,726	Dec. 24, 2013
Silvaco, Inc.	CREATING CELL LIBRARIES WITH A LARGE NUMBER OF CELLS	8,898,610	Nov. 25, 2014
Silvaco, Inc.	EFFICIENTLY USING CELL LIBRARIES WITH A LARGE NUMBER OF CELLS	9,058,450	Jun. 16, 2015
Silvaco, Inc.	SYSTEM AND METHOD FOR IP FINGERPRINTING AND IP DNA ANALYSIS	10,296,491	May 21, 2019
Silvaco, Inc.	OPTIMIZING INTEGRATED CIRCUIT DESIGN BASED ON CELL LIBRARY	8,484,602	Jul. 9, 2013
Silvaco, Inc.	OPTIMIZING CELL LIBRARIES FOR INTEGRATED CIRCUIT DESIGN	8,484,601	Jul. 9, 2013
Silvaco, Inc.	METHODS OF DERIVING SWITCH NETWORKS	7,877,711	Jan. 25, 2011
Silvaco, Inc.	PHYSICAL VERIFICATION WORKFLOW FOR SEMICONDUCTOR CIRCUIT DESIGNS	18/027,896	Sep. 23, 2021
Silvaco, Inc.	A METHOD FOR AUTOMATIC GENERATION OF STANDARD CELLS USING SMT SOLVERS	PCT/US2021/063568	Dec 15, 2021
Silvaco, Inc.	PHYSICAL VERIFICATION WORKFLOW FOR SEMICONDUCTOR CIRCUIT DESIGNS	PCT/US21/51816	Sept 23, 2021
Silvaco, Inc.	DETERMINATION OF VALUES OF PHYSICAL PARAMETERS OF ONE OR SEVERAL COMPONENTS OF AN ELECTRONIC CIRCUIT OR OF A MICROELECTROMECHANICAL SYSTEM	7,890,895	Feb 15, 2011
Silvaco, Inc.	SYSTEM FOR CALCULATING RESISTIVE VALUES FOR MICROELECTRONICS CAD	8,478,553	July 2, 2013
Silvaco, Inc.	FILTERING OF SMALL VALUES FOR THE VERIFICATION OF INTEGRATED CIRCUITS	8,099,699	Jan. 17, 2012
Silvaco, Inc.	PRINTED CIRCUIT ANALYSIS METHOD AND DEVICE	PCT/EP2006/068074	Nov. 3, 2006
Silvaco, Inc.	SELECTIVE SOURCE BIAS IN MEMORY PERIPHERY	63/493,304	Mar. 30, 2023
Silvaco, Inc.	VOLTAGE MANAGEMENT CIRCUIT	63/354,575	June 22, 2022
Silvaco, Inc.	MULTISTAGE WAKE UP CIRCUIT	63/354,583	June 22, 2022
Silvaco, Inc.	SYSTEM AND METHOD FOR ARTIFICIAL INTELLIGENCE DRIVEN FAE-TECHNOLOGY CO-OPTIMIZATION	63/526,135	July 11, 2023

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EXHIBIT C

Trademarks

<u>Registered Owner</u>	<u>Description</u>	<u>Serial Number</u>	<u>Registration Number</u>	<u>Application / Registration Date</u>
Silvaco, Inc.	VIRTUAL WAFER FAB	88655624	6073617	June 9, 2020
Silvaco, Inc.	CORE STORE	86744009	4955495	*
Silvaco, Inc.	SILVACO	86882851	5031487	August 30, 2016
Silvaco, Inc.	IPEXTREME	85534577	4274477	January 15, 2013
Silvaco, Inc.	XENA	85533939	4217125	*
Silvaco, Inc.		78537362	3029013	*
Silvaco, Inc.	OMNILICENSE	78537329	3050135	*
Silvaco, Inc.	CONNECTING TCAD TO TAPEOUT	78263549	2852227	*
Silvaco, Inc.	VIRTUAL WAFER FAB	75255542	2223350	*
Silvaco, Inc.	ANALOG ALLIANCE	75315257		*
Silvaco, Inc.	TCAD DRIVEN CAD	75315256		*
Silvaco, Inc.	PCAIO	98196637		September 25, 2023
Silvaco, Inc.	FTCO	98196618		September 25, 2023

* — indicates dead, abandoned or cancelled trademark