

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6924641

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	SYNAPTICS INCORPORATED	12/17/2020
RECEIVING PARTY DATA		
Name:	GOOGLE LLC	
Street Address:	1600 AMPHITHEATRE PARKWAY	
City:	MOUNTAIN VIEW	
State/Country:	CALIFORNIA	
Postal Code:	94043	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	17382942
CORRESPONDENCE DATA		
Fax Number:	(908)654-7866	
<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:	(908) 654-5000	
Email:	assignment@lernerdavid.com	
Correspondent Name:	LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	
Address Line 1:	20 COMMERCE DR.	
Address Line 4:	CRANFORD, NEW JERSEY 07016	
ATTORNEY DOCKET NUMBER:	GOOGLE 3.0F-3359 CON	
NAME OF SUBMITTER:	LIZ SEMON	
SIGNATURE:	/Liz Semon/	
DATE SIGNED:	09/20/2021	
Total Attachments: 6		
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PATENT ASSIGNMENT AGREEMENT

This PATENT ASSIGNMENT AGREEMENT, effective as of December 17, 2020 (**“Effective Date”**), is between Synaptics Incorporated, a Delaware corporation (**“Assignor”**) and Google LLC, a Delaware limited liability company (**“Assignee”**).

WITNESSETH:

WHEREAS, Assignor is the owner of the patents and patent applications listed in Exhibit A (the **“Transferred Patents”**); and

WHEREAS, Assignor desires to sell, convey, assign, transfer and deliver to Assignee, and Assignee wishes to purchase, acquire and accept from Assignor, Assignor’s entire right, title and interest in, to and under the Transferred Patents, subject to any license rights retained by Assignor.

NOW, THEREFORE, in consideration of the foregoing and the mutual promises and agreements contained in this Patent Assignment Agreement, and for other good and valuable consideration the receipt and sufficiency of which are hereby acknowledged, the parties hereto, intending to be legally bound, hereby agree as follows:

1. Assignment. Assignor, as of the Effective Date, hereby irrevocably sells, conveys, assigns and transfers to Assignee, and its successors and assigns, and Assignee hereby accepts, subject to any license rights retained by Assignor, Assignor’s entire right, title and interest in, to and under the Transferred Patents, including the inventions claimed therein and any reissues, reexaminations, divisionals, continuations, continuations-in-part, extensions, provisionals, substitutions and counterparts of such Transferred Patents already granted and which may be granted therefrom, for Assignee’s own use and enjoyment, and for the use and enjoyment of Assignee’s successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Patent Assignment Agreement had not been made, together with (A) the rights to all causes of action (whether known or unknown or whether currently pending, filed or otherwise) and other enforcement rights under, or on account of, any of the Transferred Patents, including the right to sue and recover damages and obtain equitable relief for past, present and future infringement, misappropriation or other violation, (B) all rights to collect income, royalties, damages and other payments now or hereafter due or payable under or on account of any of the Transferred Patents, (C) the right, if any, to claim priority based on the filing dates of the Transferred Patents under any applicable law, including under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention and all other treaties of like purposes, (D) the right to prosecute, register, maintain and defend the Transferred Patents before any public or private agency, office or registrar, (E) the right to fully and entirely stand in the place of Assignor in all matters related to the Transferred Patents and (F) all other rights corresponding to the Transferred Patents throughout the respective countries in which Assignor holds rights in the Transferred Patents. This foregoing assignment is intended to be an absolute assignment and not by way of security. Assignor shall not enter into any agreement in conflict with this Patent Assignment Agreement.

2. Recordation. Assignor hereby authorizes the Director of Patents and Trademarks in the United States Patent and Trademark Office, and the corresponding entities or agencies in any applicable foreign countries or multinational authorities, to record Assignee as the assignee and owner of the Transferred Patents, and to deliver to Assignee and to Assignee's attorneys, agents, representatives, successors or assigns, all official documents and communications as may be warranted by this Patent Assignment Agreement.

3. Governing Law; Venue; Jury Trial. This Patent Assignment Agreement and any dispute arising out of, relating to or in connection with this Patent Assignment Agreement shall be governed by and construed in accordance with the laws of the State of California, regardless of the laws that might otherwise govern under applicable principles of conflicts of laws thereof. Subject to Section 4, each party hereto irrevocably consents to the exclusive jurisdiction and venue of any court within Santa Clara County, State of California, in connection with any matter based upon or arising out of this Patent Assignment Agreement or the matters contemplated herein, agrees that process may be served upon them in any manner authorized by the laws of the State of California for such party and waives and covenants not to assert or plead any objection which they might otherwise have to such jurisdiction, venue and such process. Subject to Section 4, each party hereto agrees not to commence any legal proceedings related hereto except in such courts.

4. Any claim or dispute arising out of or related to this Patent Assignment Agreement, or the interpretation, making, performance, breach or termination thereof, shall be finally settled by binding arbitration in the County of Santa Clara, State of California in accordance with the then current Commercial Arbitration Rules of the American Arbitration Association and judgment upon the award rendered may be entered in any court having jurisdiction thereof. The arbitrator(s) shall have the authority to grant any equitable and legal remedies that would be available in any judicial proceeding instituted to resolve a dispute.

5. General Provisions. Whenever the word "including" is used in this Patent Assignment Agreement, it shall be deemed to be followed by the words "without limitation" and whenever the word "or" is used in this Patent Assignment Agreement, it is used in the inclusive sense of "and/or." This Patent Assignment Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original, and all of which together shall constitute one and the same instrument. Delivery of an executed counterpart of a signature page to this Patent Assignment Agreement by facsimile or electronic mail shall be as effective as delivery of a manually executed counterpart of this Patent Assignment Agreement. This Patent Assignment Agreement may not be amended, modified, supplemented, changed or waived in any manner except by a writing signed by all parties hereto. The failure of any party to enforce any terms or provisions of this Patent Assignment Agreement shall not waive any of its rights under such terms or provisions. This Patent Assignment Agreement is binding upon and inures to the benefit of the parties hereto and their respective successors and assigns.


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Date: 12/14, 2020

By

Title: Senior Vice President,
General Counsel and
Secretary

State of California)
) ss.
County of Santa Clara)

 MARTA A. SUGARIN
Notary Public - California
San Benito County
Commission # 2281226
My Comm. Expires Apr 12, 2023

Marta A. Beguin
Notary Public

PATENT
REEL: 057531 FRAME: 0087

Date: _____, _____

ASSIGNEE

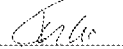
By:  _____
Name: Kenneth H. Yi
Title: Assistant Secretary

EXHIBIT A

TRANSFERRED PATENTS

Patent Application Title	Filing Date	Application Number	Issue Date	Issue Number	Owner/Applicant
Low Delay Decimator And Interpolator Filters	10/31/2018	201880084913.2			Synaptics Inc
Low Latency Anc Filter	10/31/2018	18873787.8			Synaptics Inc
Low Latency Anc Filter	10/31/2018	2020-522813			Synaptics Inc
Low Delay Decimator And Interpolator Filters	10/31/2018	PCT/US2018/058574			Synaptics Inc
Low Delay Decimator And Interpolator Filters	10/31/2018	16/177,308			Synaptics Inc
Low Delay Decimator And Interpolator Filters	10/31/2017	62/579,809			Synaptics Inc
Multichannel, Multirate, Lattice Wave Filter	4/30/2019	16/399,927	8/25/2020	10,755,721	Synaptics Inc
Multichannel, Multirate, Lattice Wave Filter	4/21/2020	PCT/US2020/029151			Synaptics Inc
Robust Adaptive Noise Cancelling Systems And Methods	12/19/2018	62/782,299			Synaptics Inc
Robust Adaptive Noise Cancelling Systems And Methods	12/19/2019	16/721,552			Synaptics Inc
Robust Adaptive Noise Cancelling Systems And Methods	12/19/2019	PCT/US2019/067644			Synaptics Inc
Extended Bandwidth Adaptive Noise Cancelling System And Methods	12/19/2018	62/782,312			Synaptics Inc
Extended Bandwidth Adaptive Noise Cancelling System And Methods	12/19/2019	16/721,580			Synaptics Inc
Noise Amplification Control In Adaptive Noise Cancelling Systems	12/19/2018	62/782,305			Synaptics Inc
Noise Amplification Control In Adaptive Noise Cancelling Systems	12/19/2019	16/721,480			Synaptics Inc
Low Power Lattice Wave Filter Systems And Methods	5/29/2020	202010474160.5			Synaptics Inc
Low Power Lattice Wave Filter Systems And Methods	5/29/2019	16/425,813	11/24/2020	10,848,131	Synaptics Inc
Balanced Stereo Headphones With Un-Balanced Air Chambers	6/23/2020	202010578818.7			Synaptics Inc
Balanced Stereo Headphones With Un-Balanced Air Chambers	6/2/2020	2020-096148			Synaptics Inc
Balanced Stereo Headphones With Un-Balanced Air Chambers	6/27/2019	16/455,617			Synaptics Inc
System And Method For Self-Calibrating Audio Listening Devices	10/26/2020	PCT/US2020/057425			Synaptics Inc

[Exhibit A to Patent Assignment Agreement]

Patent Application Title	Filing Date	Application Number	Issue Date	Issue Number	Owner/Applicant
System And Method For Self-Calibrating Audio Listening Devices	10/25/2019	16/664,728			Synaptics Inc
System And Method For Self-Calibrating Audio Listening Devices	10/23/2020	109136793			Synaptics Inc
Active Noise Cancelling Earbuds Devices	10/4/2020	17/063,656			Synaptics Inc
Active Noise Cancelling Earbuds Devices	10/4/2019	62/911,150			Synaptics Inc
Dynamic Timing Calibration Systems And Methods	8/22/2018	62/721,412			Synaptics Inc
Dynamic Timing Calibration Systems And Methods	1/11/2019	62/791,607			Synaptics Inc
Dynamic Timing Calibration Systems And Methods	3/27/2019	62/824,985			Synaptics Inc
Dynamic Delay Calibration Of Devices Attached To Bus Systems Utilizing Time-Multiplexed Clock And Data Lines	5/28/2019	62/853,654			Synaptics Inc
Dynamic Calibration	10/11/2019	62/914,351			Synaptics Inc
Dynamic Timing Calibration Systems And Methods	10/12/2020	17/068,766			Synaptics Inc
Dynamic Delay Calibration Of Devices Attached To Bus Systems Utilizing Time-Multiplexed Clock And Data Lines	6/27/2019	16/455,635			Synaptics Inc
Active Noise Cancellation Systems And Methods	3/27/2020	63/001,205			Synaptics Inc
Active Noise Cancellation Systems And Methods	11/13/2020	17/098,270			Synaptics Inc
Active Noise Cancellation Systems And Methods					Synaptics Inc
Bone Conduction Headphone Speech Enhancement Systems and Methods	12/15/2020	17/123,091			Synaptics Inc
Ambient Detector For Dual Mode ANC	12/15/2020	17/123,097			Synaptics Inc
Low Power Biquad Systems And Methods	6/30/2020	16/917,694			Synaptics Inc

[Exhibit A to Patent Assignment Agreement]