

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6673089

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the RECORDED ASSIGNOR'S NAME AS GUOZHONG SHEN previously recorded on Reel 052324 Frame 0296. Assignor(s) hereby confirms the CORRECTED RECORDATION.
CONVEYING PARTY DATA	
Name	Execution Date
GUOZHONG SHEN	06/28/2018
OZAN ERSAN ERDOGAN	06/28/2018
ADAM L. SCHWARTZ	06/28/2018
RECEIVING PARTY DATA	
Name:	SYNAPTICS INCORPORATED
Street Address:	1251 MCKAY DRIVE
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95131
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16841333
CORRESPONDENCE DATA	
Fax Number:	(312)616-5700
<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:	312-616-5600
Email:	assignments@leydig.com
Correspondent Name:	LEYDIG, VOIT & MAYER (WALNUT CREEK)
Address Line 1:	180 N STETSON AVENUE
Address Line 2:	TWO PRUDENTIAL PLAZA, SUITE 4900
Address Line 4:	CHICAGO, ILLINOIS 60601
ATTORNEY DOCKET NUMBER:	749000/150266US02
NAME OF SUBMITTER:	LEONARD Z. HUA
SIGNATURE:	/Leonard Z. Hua/
DATE SIGNED:	04/23/2021
Total Attachments: 6	
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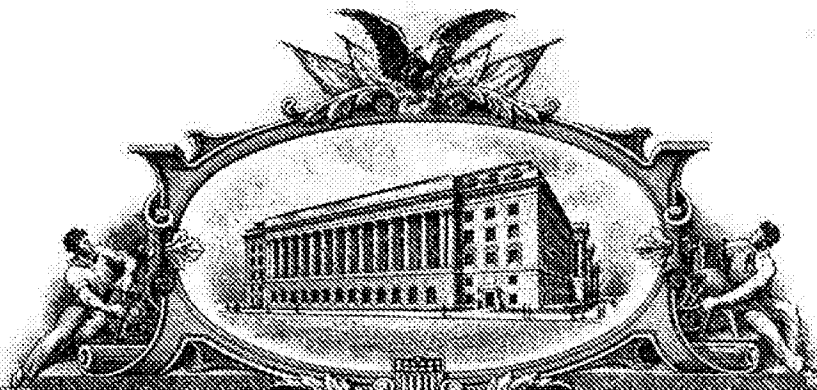
PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT6048800

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GOZHONG SHEN	06/28/2018
OZAN ERSAN ERDOGAN	06/28/2018
ADAM L. SCHWARTZ	06/28/2018
RECEIVING PARTY DATA	
Name:	SYNAPTICS INCORPORATED
Street Address:	1251 MCKAY DRIVE
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95131
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16841333
CORRESPONDENCE DATA	
Fax Number:	(312)616-5700
<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:	31-616-5600
Email:	assignments@leydig.com
Correspondent Name:	LEYDIG, VOIT & MAYER (WALNUT CREEK)
Address Line 1:	180 N STETSON
Address Line 2:	TWO PRUDENTIAL PLAZA, SUITE 4900
Address Line 4:	CHICAGO, ILLINOIS 60601
ATTORNEY DOCKET NUMBER:	749000/150266US02
NAME OF SUBMITTER:	LEONARD Z. HUA
SIGNATURE:	/Leonard Z. Hua/
DATE SIGNED:	04/06/2020
Total Attachments: 2	
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N 8086688



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

April 16, 2021

**THIS IS TO CERTIFY THAT ANNEXED IS A TRUE COPY FROM THE
RECORDS OF THIS OFFICE OF A DOCUMENT RECORDED ON
APRIL 06, 2020.**

By Authority of the
Under Secretary of Commerce for Intellectual Property
and Director of the United States Patent and Trademark Office


CURTIS GOFF
Certifying Officer



PATENT
REEL: 056031 FRAME: 0535

SYNAPTICS INCORPORATED ASSIGNMENT AGREEMENT – WORLDWIDE

WHEREAS, I, an undersigned individual, have invented certain invention(s) described in an application for Letters Patent (the "Application") in:

the United States Japan another jurisdiction _____;

enclosed herewith or previously filed on date June 29, 2018 under Serial No. 16/024,358 _____;

with docket number and title: 15026601501/739404 – SENSOR DEVICE SCANNING TECHNIQUES TO DETERMINE FAST AND/OR SLOW MOTIONS.

WHEREAS, Synaptics Incorporated, a corporation of the State of Delaware, having a place of business at 1251 McKay Drive, San Jose, CA 95131; U.S.A. ("Synaptics"), desires to acquire the entire right, title, and interest in and to the invention(s) disclosed in the Application and all embodiments of such invention(s) previously conceived, made, or discovered by me during my employment with or within the scope of my work in any capacity for Synaptics (collectively, the "Inventions"), and in and to the Application and any and all other applications for utility patents, utility models, inventor's certificates, and other forms of invention protection or rights for the Inventions in any and all countries and groups of countries (collectively, the "Applications"), and in and to any and all patents, inventor's certificates, and other forms of invention protection or rights arising therefrom (the "Patents").

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by me to have been received in full from Synaptics:

1. I hereby sell, assign, transfer and convey to Synaptics the entire right, title and interest (a) in and to the Inventions and the Application; (b) in and to all rights to apply for patents and all other forms of invention protection or rights on the Inventions in any and all countries pursuant to the Paris Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on the Inventions in any and all countries and groups of countries, including each and every application filed and each and every patent granted on any application which is a conventional, division, substitution, continuation, or continuation-in-part of any of the Applications; and (d) in and to each and every renewal or extension of any of the Patents.

2. I hereby covenant and agree to cooperate with Synaptics to enable Synaptics to enjoy to the fullest extent the right, title and interest to the Inventions herein conveyed in any and all countries and groups of countries. My cooperation shall include prompt production of pertinent facts and documents, giving testimony, executing petitions, oaths, specifications, declarations or other papers, and providing other assistance to the extent deemed necessary or desirable by Synaptics (a) for perfecting in Synaptics the right, title and interest herein conveyed; (b) for prosecuting the Applications; (c) for filing and prosecuting substitute, conventional, divisional, continuation, continuation-in-part, or additional applications covering the Inventions; (d) for filing and prosecuting applications for reexamination or issuance of any of the Patents; (e) in assisting Synaptics in any pre-grant or post-grant proceeding involving any of the Inventions, Applications, or Patents; and (f) in assisting Synaptics in any court or administrative proceeding involving any of the Inventions, Applications, or Patents, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, and infringement actions; provided, however, that reasonable expenses incurred by me in providing such cooperation shall be paid for by Synaptics.

3. I hereby agree that the terms and covenants of this Assignment Agreement (the "Agreement") shall inure to the benefit of Synaptics, its successors, assigns and other legal representatives, and shall be binding upon me, my heirs, my legal representatives, and my assigns.

4. I hereby warrant and represent that I have not entered into and will not enter into any assignment, license, contract, or understanding in conflict herewith.

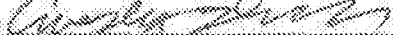
5. I hereby agree that if any provision of this Agreement is deemed invalid or otherwise unenforceable, the remaining provisions of this Agreement shall remain valid, enforceable, and binding, and the invalid or otherwise unenforceable provision shall be deemed to be replaced by a provision that is valid and enforceable and that comes closest to expressing the intent expressed by the invalid or unenforceable provision.

6. I hereby agree that this Agreement contains the entire understanding between Synaptics and me relating to the subject matter contained herein, and supersedes all prior and collateral communications and understandings between Synaptics and me.

7. In the event that the filing date or application number of the Application is not entered at the time I execute this document, and if such information is deemed necessary, I hereby authorize Synaptics, its successors and assigns, its legal representatives, or anyone it properly designates to enter above such filing date or application number.

IN WITNESS WHEREOF, I have executed and delivered this instrument to Synaptics on the date indicated below.

(Printed legal name of inventor) Guozhong Shen

(Inventor's signature)  (Date) 6/28/2018

(Inventor's mailing address) 1251 McKay Drive, San Jose, CA 95131

(Printed legal name of inventor) Orin Brian Pedregon

(Inventor's signature)  (Date) 6/28/2018

(Inventor's mailing address) 1251 McKay Drive, San Jose, CA 95131

(Printed legal name of inventor) Adam J. Schwartz

(Inventor's signature)  (Date) June 28, 2018

(Inventor's mailing address) 1251 McKay Drive, San Jose, CA 95131