# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4466028

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
JASON GOODELLE	03/02/2017
PAUL WICKBOLDT	02/13/2017
YOUNG SEEN LEE	09/21/2016
CHIEN LAM	06/16/2017
BOB LEE MACKEY	06/12/2017

## **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:	15269901

## **CORRESPONDENCE DATA**

**Fax Number:** (312)616-5700

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.

**Phone:** (312)616-5600

Email: assignments@leydig.com

Correspondent Name: LEYDIG, VOIT & MAYER, LTD

Address Line 1: TWO PRUDENTIAL PLAZA, SUITE 4900

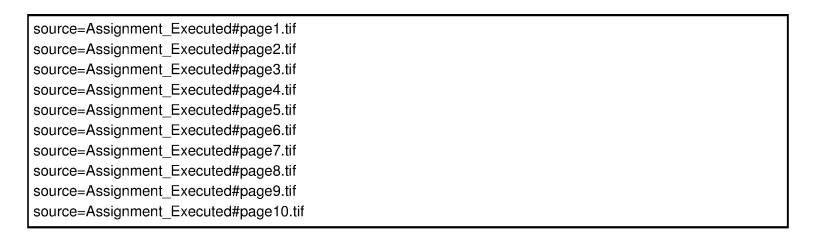
Address Line 2: 180 N STETSON AVE
Address Line 4: CHICAGO, ILLINOIS 60601

ATTORNEY DOCKET NUMBER:	726597
NAME OF SUBMITTER:	ROBERT J. OLINSKI
SIGNATURE:	/Robert J. Olinski/
DATE SIGNED:	06/19/2017

**Total Attachments: 10** 

PATENT REEL: 042745 FRAME: 0423

504419328



PATENT REEL: 042745 FRAME: 0424

## SYNAPTICS INCORPORATED ASSIGNMENT AGREEMENT - WORLDWIDE

WHEREAS, I, an undersign for Letters Patent (the "Application		n invention(s) described in an application
Ξ the United States Japa	an another jurisdiction	;
enclosed herewith or $\Xi$ p	reviously filed on date September 1	9, 2016 under Serial No. 15/269,901;
with docket number and titl	e: <u>150220US02 - OPTICAL FING</u>	ERPRINT SENSOR PACKAGE.
at 1251 McKay Drive; San Jose, of interest in and to the invention(s) previously conceived, made, or did in any capacity for Synaptics (colother applications for utility patent protection or rights for the Invention	CA 95131; U.S.A. ("Synaptics"), dedisclosed in the Application and all scovered by me during my employed ectively, the "Inventions"), and in ts, utility models, inventor's certifications in any and all countries and grand all patents, inventors certifications.	ment with or within the scope of my work and to the Application and any and all cates, and other forms of invention cups of countries (collectively, the
NOW, THEREFORE, in cobeen received in full from Synapti		onsideration acknowledged by me to have
the Inventions and the Application protection or rights on the Inventi Protection of Industrial Property, Applications filed and any and all countries, including each and ever which is a conventional, division,	a; (b) in and to all rights to apply for one in any and all countries pursuant the Patent Cooperation Treaty, or o Patents granted on the Inventions is	therwise; (c) in and to any and all n any and all countries and groups of erry patent granted on any application nuation-in-part of any of the
extent the right, title and interest to countries. My cooperation shall intestimony, executing petitions, on assistance to the extent deemed not title and interest herein conveyed; substitute, conventional, divisional Inventions; (d) for filing and prose (e) in assisting Synaptics in any particular properties of the Inventions, Applications, or proceedings, priority contests, put	to the Inventions herein conveyed in clude prompt production of pertinctly, specifications, declarations or observations or decessary or desirable by Synaptics (b) for prosecuting the Applicational, continuation, continuation-in-particular applications for reexaminate-grant or post-grant proceeding in assisting Synaptics in any court of Patents, including without limitati	other papers, and providing other (a) for perfecting in Synaptics the right, (b) for filing and prosecuting (c) the right, or additional applications covering the (ion or reissuance of any of the Patents; (ivolving any of the Inventions, (in administrative proceeding involving any (ion opposition proceedings, cancellation (ion administrative proceedings), cancellation
	ts successors, assigns and other leg	ent Agreement (the "Agreement") shall al representatives, and shall be binding
4. I hereby warrant and rep license, contract, or understanding		nd will not enter into any assignment,

PATENT REEL: 042745 FRAME: 0425

Synaptics Incorporated Assignment Agreement v. 2014-10-15

- 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.

(Printed legal name of inventor) <u>Printed legal name</u> of inventor)	2/2/17
(Inventor's signature)	(Date) = 3/2/7
(Inventor's mailing address) 1251 McKay Drive, San Jose, CA 95131	
(Printed legal name of additional inventor, if any) Paul Wickboldt	
(Inventor's signature)	(Date)
(Inventor's mailing address) <u>1251 McKay Drive, San Jose, CA 95131</u>	
(Printed legal name of additional inventor, if any) Young Seen Lee	
(Inventor's signature)	(Date)
(Inventor's mailing address) <u>1251 McKay Drive, San Jose, CA 95131</u>	
(Printed legal name of additional inventor, if any) Chien Lam	
(Inventor's signature)	(Date)
(Inventor's mailing address) <u>1251 McKay Drive, San Jose, CA 95131</u>	
(Printed legal name of additional inventor, if any) Bob Lee Mackey	
(Inventor's signature)	(Date)
(Inventor's mailing address) <u>1251 McKay Drive, San Jose, CA 95131</u>	

Synaptics Incorporated Assignment Agreement v. 2014-10-15

## 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:
Ξ the United States Japan another jurisdiction;
enclosed herewith or $\Xi$ previously filed on date <u>September 19, 2016</u> under Serial No. <u>15/269,901</u> ;
with docket number and title: 150220US02 - OPTICAL FINGERPRINT SENSOR PACKAGE.
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, inventors 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 reissue 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 reissuance 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.

PATENT REEL: 042745 FRAME: 0427

Page 1 of 2

- 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.
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- 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.

(Printed legal name of inventor) Jason Goodelle	
(Inventor's signature)	(Date)
(Inventor's mailing address) _1251 McKay Drive, San Jose, CA 95131_	
(Printed legal name of additional inventor, if any) Paul Wickboldt (Inventor's signature)	(Date) 2/13/2017
(Inventor's mailing address) _1251 McKay Drive, San Jose, CA 95131	
(Printed legal name of additional inventor, if any) Young Seen Lee	
(Inventor's signature)	(Date)
(Inventor's mailing address) _1251 McKay Drive, San Jose, CA 95131_	
(Printed legal name of additional inventor, if any) Chien Lam	
(Inventor's signature)	(Date)
(Inventor's mailing address) <u>1251 McKay Drive, San Jose, CA 95131</u>	
(Printed legal name of additional inventor, if any) Bob Lee Mackey	
(Inventor's signature)	(Date)
(Inventor's mailing address) <u>1251 McKay Drive, San Jose, CA 95131</u>	

#### SYNAPTICS INCORPORATED ASSIGNMENT AGREEMENT – WORLDWIDE

WHEREAS, I, an undersigned individual, have invented certain invention(s) described in an application

for I	Letters Patent (the "App	lication")	in:
	$\Xi$ the United States	Japan	another jurisdiction;
	enclosed herewith o	or Ξ previ	ously filed on date <u>September 19, 2016</u> under Serial No. <u>15/269,901</u> ;
	with docket number a	nd title: 1.	50220US02 - OPTICAL FINGERPRINT SENSOR PACKAGE.

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, inventors 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 reissue 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 reissuance 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.
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Page 1 of 2

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(Printed legal name of inventor) <u>Jason Goodelle</u>	
(Inventor's signature)	(Date)
(Inventor's mailing address) <u>1251 McKay Drive, San Jose, CA 95131</u>	
(Printed legal name of additional inventor, if any) Paul Wickboldt	
(Inventor's signature)	(Date)
(Inventor's mailing address) <u>1251 McKay Drive, San Jose, CA 95131</u>	
(Inventor's mailing address)1251 McKay Drive, San Jose, CA 95131_	(Date) 9/21/2016
(Printed legal name of additional inventor, if any) Chien Lam  (Inventor's signature)	(Date)
(Inventor's mailing address) _1251 McKay Drive, San Jose, CA 95131_	
(Printed legal name of additional inventor, if any) Bob Lee Mackey  (Inventor's signature)	(Date)
(Inventor's mailing address) _1251 McKay Drive, San Jose, CA 95131	

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(Printed legal name of inventor) <u>Jason Goodelle</u>			
(Inventor's signature)	(Date)		
(Inventor's mailing address) <u>1251 McKay Drive, San Jose, CA 95131</u>	**************************************		
(Printed legal name of additional inventor, if any) Paul Wickholdt			
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(Inventor's mailing address) _1251 McKay Drive, San Jose, CA 95131_			
(Printed legal name of additional inventor, if any) Young Seen Lee			
(Inventor's signature)	(Date)		
(Inventor's mailing address) <u>1251 McKay Drive, San Jose, CA 95131</u>			
(Printed legal name of additional inventor, if any) Chien Lam		. * *	
(Inventor's signature)	(Date)	6/16/17	
(Inventor's mailing address) <u>1251 McKay Drive, San Jose, CA 95131</u>			
(Printed legal name of additional inventor, if any) Bob Lee Mackey			
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**PATENT** 

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Synaptics Incorporated Assignment Agreement v. 2014-10-15

Page 2 of 2