#### 503890705 06/27/2016

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
CHUN-WEN PAUL HUANG	05/28/2016
LUI LAM	05/25/2016
MARK M. DOHERTY	05/25/2016
MICHAEL JOSEPH MCPARTLIN	05/25/2016

# **RECEIVING PARTY DATA**

Name:	Skyworks Solutions, Inc.	
Street Address:	20 Sylvan Road	
City:	Woburn	
State/Country:	MASSACHUSETTS	
Postal Code:	01801	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14989117

# **CORRESPONDENCE DATA**

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NAME OF SUBMITTER:	DONALD BOLLELLA	
SIGNATURE:	/Donald Bollella/	
DATE SIGNED:	06/27/2016	

# **Total Attachments: 3**

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> **PATENT** REEL: 039021 FRAME: 0073 503890705

#### ASSIGNMENT

WHEREAS, we, Chun-Wen Paul Huang residing at 19 Heather Drive, Methuen, Massachusetts 01844; Lui Lam residing at 62 Freemont Street, Lexington, Massachusetts 02421; Mark M. Doherty residing at 5 Acoks Way, Westford, Massachusetts 01886; and Michael Joseph McPartlin residing at 99 Meadowview Road, North Andover, Massachusetts 01845, have invented a certain new and useful FRONT-END INTEGRATED CIRCUIT FOR WLAN APPLICATIONS for which we have made application for Letters Patent of the United States as fully set forth and described in the specification duly filed in the United States Patent and Trademark Office on January 6, 2016 and assigned Application Serial No. 14/989,117, which derived priority benefit from U.S. Provisional Patent Application Serial No. 62/100,659 filed January 7, 2015; and

WHEREAS, Skyworks Solutions, Inc., a corporation duly organized and existing under and by virtue of the laws of the State of Delaware, having a principal business address at 20 Sylvan Road, Woburn, Massachusetts 01801, is desirous of acquiring the entire interest in and to said invention, said non-provisional and provisional applications, any and all inventions and improvements disclosed in said applications, and all Letters Patent to be had therefor.

NOW THEREFORE, to all whom it may concern, be it known, that for good and valuable consideration, the sufficiency and receipt of which are hereby acknowledged, we, said Chun-Wen Paul Huang, Lui Lam, Mark M. Doherty, and Michael Joseph McParllin have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over unto said Skyworks Solutions, Inc., the whole right, title, and interest in and to said FRONT-END INTEGRATED CIRCUIT FOR WLAN APPLICATIONS, the aforesaid applications, and any and all inventions and improvements disclosed in the aloresaid non-provisional and provisional applications for patent, as fully set forth and described therein, and all divisional, continuing, substitute, renewal, relssue, and all other applications for Letters Palant derived from or claiming priority to the aforesaid applications which have been or shall be filed in the United States and in and to the United States Letters Patent to be issued thereon for the territory of the United States, and all corresponding foreign counterpart applications derived from or claiming priority to the aforesaid United States nonprovisional and provisional patent applications and related applications as prepared for and filed in any and all foreign countries, said whole right, title, and interest being the same for said Skyworks Solutions, Inc.'s own use and for the use of its assigns, successors, and legal representatives to the full end of the term for which all said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made. And we hereby acknowledge, agree, and understand that this assignment conveys any and all other related intellectual property rights including, but not so limited to, copyright rights, copyrightable subject matter, know how, trade secrets, copyright registrations, and reproduction rights, including any and all right to sue for past, current, or luture infringement of the intellectual property rights hereby sold, assigned, and transferred, and we further hereby waive any and all moral rights under 17 U.S.C. § 106A or as so otherwise provided.

And we, for ourselves, our heirs, assigns, and legal representatives hereby covenant to and with said assignee Skyworks Solutions, Inc., its assigns, successors, and legal representatives, that we have full right to sell, assign, and transfer the whole right, title, and interest in and to said inventions and improvements, said non-provisional and provisional applications, and all the Letters Patent to be had therefor and that the entire interest herein conveyed is free from all prior assignment, grant, mortgage, license, or other encumbrance whatsoever. And we also, for ourselves, our heirs, assigns, and legal representatives hereby further covenant to and with said assignee Skyworks Solutions, Inc., its assigns, successors, and legal representatives to fully Assignment 14/969,117

REEL: 039021 FRAME: 0074

cooperate therewith in the prosecution of the aforesaid applications in the United States Patent and Trademark Office and in any and all foreign jurisdictions, said cooperation extending to any U.S. or foreign divisional, continuing, substitute, renewal, reissue, or any other application derived from or claiming priority to the aforesaid applications, and including the execution of additional declarations, assignments, and other formal documents as may be required in connection therewith.

And we do hereby covenant and agree not to challenge or oppose, on any grounds whatsoever, the validity of this assignment or to assist or request any third party to contest the validity of this assignment, and we further agree not to contest the validity or enforceability of any intellectual property rights assigned herein, or to assist or request any third party to contest the validity or enforceability of any intellectual property rights assigned herein. And we also agree that no course of conduct or dealing by us shall act as an amendment, modification, or waiver of any provision of this assignment unless specifically set forth in writing.

And we do hereby authorize and request the United States Commissioner of Patents to issue Letters Patent to said Skyworks Solutions, Inc. as the assignee of our entire right, title, and interest therein.

IN TESTIMONY WHEREOF, we have hereunto set our respective hand and seal on the day and month of the year 2016 as indicated below.

Chur-Wen Paul Huang L.S.	Date: 14:47 > 6 > 9/6
Acknowledgment	
Commonwealth of Massachusetts )	
County of Assault St.	
	me, the undersigned notary putolo, personally appeared Chun-Wen Paul location, which was <u>see Tolley and American</u> to be the person whose edged to me that he signed it voluntarily for its stated purpose.
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L.S.	Date: 1/64 25, 7016
Lui Lam	w.
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Commonwealth of Massachusetts	
Commonwealth of Massachusetts } ss.	
On this 2 day of 383, 2016 before me through satisfactory evidence of reentilication, which was 3 preceding Assignment, and acknowledged to me that he accommend to the second second second second second second second sec	e, the undersigned notary public, personally appeared Lui Lam, proved to me \(\frac{1}{2}\)\(\f
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Mark M. Doherty J.S.	Date: 57-25-46	
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Michael Joseph McPartlin  Acknowledgment	Date: <u>(-2C/6</u>	
Commonwealth of Massachuseits   Ss.  County of Sissing County Cou	Bie Lindersigned notary public, personally appeared Michael Josep zalion, which was <u>දුවුන් කිරීමට කිරීමට කිරීමට</u> ව De the perso viedged to me that he signed it vokuntarily for its stated purpose.	
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