

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SATOSHI NIWA	05/29/2018
YOSHIAKI ANDO	05/30/2018
HIROYUKI NAKAMURA	07/10/2018
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:	15817782
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NAME OF SUBMITTER:	DONALD BOLLELLA
SIGNATURE:	/Donald Bollella/
DATE SIGNED:	01/09/2019
Total Attachments: 3	
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ASSIGNMENT

WHEREAS, we, Satoshi Niwa (丹羽智) residing at Park Grace 401, 1-9-10, Misuji, Taito-Ku, Tokyo-To, 111-0055, Japan; Yoshiaki Ando (安藤義明) residing at Take, 2-5-8, Yokosuka-Shi, Kanagawa-Ken, 238-0313, Japan; and Hiroyuki Nakamura (中村弘幸), a citizen of Japan, having a current work address at 1006, Daza Kadoma, Kadoma-Shi, Osaka-Fu, 571-0050, Japan, have invented certain new and useful FILTERS INCLUDING LOOP CIRCUITS FOR PHASE CANCELLATION 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 November 20, 2017 and assigned Application Serial No. 15/617,782, which derived priority benefit from U.S. Provisional Patent Application Serial No. 62/484,654 filed April 12, 2017 and U.S. Provisional Patent Application Serial No. 62/427,341 filed November 29, 2016 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 Satoshi Niwa (丹羽智), Yoshiaki Ando (安藤義明), and Hiroyuki Nakamura (中村弘幸) 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 FILTERS INCLUDING LOOP CIRCUITS FOR PHASE CANCELLATION, the aforesaid applications, and any and all inventions and improvements disclosed in the aforesaid non-provisional and provisional applications for patent, as fully set forth and described therein, and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent 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 non-provisional 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 future 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 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 2018 as indicated below.

Satoshi Niwa LS. 丹羽 智 LS. May 29, 2018
Satoshi Niwa 丹羽智 Date

The undersigned hereby certifies that he/she personally witnessed the foregoing signature of Satoshi Niwa (丹羽智) handwritten in his/her presence in the city of Kadoma, Japan.

Witnessed by [Signature] on this 29th day of May 2018
Witness Signature

Print: Hiroshi Okuchi and Patent Attorney of Miyoshi & Miyoshi
Witness Name Witness Title

Yoshiaki Ando LS. 安藤 義明 LS. May 30, 2018
Yoshiaki Ando 安藤義明 Date

The undersigned hereby certifies that he/she personally witnessed the foregoing signature of Yoshiaki Ando (安藤義明) handwritten in his/her presence in the city of Kadoma, Japan.

Witnessed by [Signature] on this 30th day of May 2018
Witness Signature

Print: Hiroshi Okuchi and Patent Attorney of Miyoshi & Miyoshi
Witness Name Witness Title

Hiroyuki Nakamura i.s. 中村 弘幸 i.s. July 10, 2018
Hiroyuki Nakamura 中村弘幸 Date

The undersigned hereby certifies that he/she personally witnessed the foregoing signature of Hiroyuki Nakamura (中村弘幸) in his/her presence in the city of Kadoma, Japan.

Witnessed by Shigeki Hosoya on the 10th day of July, 2018
Witness Signature

Print: Shigeki Hosoya and HR Director, SPST
Witness Name Witness Title

