

## PATENT ASSIGNMENT COVER SHEET

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Assignment ID: PAT1116237

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Iain Alexander MacFarlane	05/09/2023
Patrick Marcus Naraine	10/05/2023
Scott David Wilson	05/09/2023
<b>RECEIVING PARTY DATA</b>	
<b>Company Name:</b>	Skyworks Solutions, Inc.
<b>Street Address:</b>	5260 California Avenue
<b>City:</b>	Irvine
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92617
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17886719
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	9497251741
<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>	
<b>Phone:</b>	(949)231-3073
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<b>Correspondent Name:</b>	Donald Bollella
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<b>Address Line 4:</b>	Irvine, CALIFORNIA 92617
<b>ATTORNEY DOCKET NUMBER:</b>	SWKS 22216501(P1)US
<b>NAME OF SUBMITTER:</b>	Jeannie Benedict
<b>SIGNATURE:</b>	Jeannie Benedict
<b>DATE SIGNED:</b>	03/24/2024
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

**WHEREAS**, we, Iain Alexander MacFarlane of Inch, United Kingdom; Patrick Marcus Naraine of Irvine, California; and Scott David Wilson of Cork, Ireland, have invented a certain new and useful DIFFERENTIAL CIRCULATOR 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 August 12, 2022 and assigned Application Serial No. 17/886,719, which derived priority benefit from U.S. Provisional Patent Application Serial No. 63/233,975 filed August 17, 2021; 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 5260 California Avenue, Irvine, California 92617, 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 Iain Alexander MacFarlane, Patrick Marcus Naraine, and Scott David Wilson, 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 DIFFERENTIAL CIRCULATOR, 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 2023 as indicated below.

I. A. MacFarlane L.S.  
Iain Alexander MacFarlane

Date: MAY 9, 2023

P. M. Naraine L.S.  
Patrick Marcus Naraine

Date: 10/05/2023

Scott David Wilson L.S.  
Scott David Wilson

Date: 9th MAY 2023

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