

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BENFENG ZHANG	07/07/2022
JIANSONG LIU	02/21/2022
BENJAMIN PAUL ABBOTT	04/04/2022
KWANG JAE SHIN	03/17/2022
ALEXANDRE AUGUSTO SHIRAKAWA	04/11/2022
RECEIVING PARTY DATA	
Name:	SKYWORKS GLOBAL PTE. LTD.
Street Address:	10 ANG MO KIO STREET 65, NO. 04-07
City:	TECHPOINT
State/Country:	SINGAPORE
Postal Code:	569059
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17472199
CORRESPONDENCE DATA	
Fax Number:	(949)854-1008
<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:	9492313073
Email:	ip.docketing@skyworksinc.com
Correspondent Name:	DONALD BOLLELLA
Address Line 1:	5221 CALIFORNIA AVENUE, 21-1
Address Line 4:	IRVINE, CALIFORNIA 92617
ATTORNEY DOCKET NUMBER:	SGSG 211013 05(P1)US3
NAME OF SUBMITTER:	DONALD BOLLELLA
SIGNATURE:	/Donald Bollella/
DATE SIGNED:	09/16/2022
Total Attachments: 2	
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ASSIGNMENT

WHEREAS, we, Benfeng Zhang (张本锋) of Moriguchi-Shi, Japan; Jiansong Liu (柳建松) of Fremont, CA; Benjamin Paul Abbott of Irvine, CA; Kwang Jae Shin (신광재) of Yongin, Republic of Korea; and Alexandre Augusto Shirakawa of Cardiff by the Sea, CA, have invented a certain new and useful BULK ACOUSTIC WAVE DEVICE WITH RAISED FRAME STRUCTURE 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 September 10, 2021 and assigned Application Serial No. 17/472,199, which derived priority benefit from U.S. Provisional Patent Application Serial No. 63/080,530 filed September 18, 2020; and

WHEREAS, Skyworks Global Pte. Ltd., a private company limited duly organized and existing under and by virtue of the laws of the Republic of Singapore, having a principal business address at 10 Ang Mo Kio Street 65, No. 04-07 Techpoint, Singapore 569059, 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 Benfeng Zhang (张本锋), Jiansong Liu (柳建松), Benjamin Paul Abbott, Kwang Jae Shin (신광재), and Alexandre Augusto Shirakawa have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over unto said Skyworks Global Pte. Ltd., the whole right, title, and interest in and to said BULK ACOUSTIC WAVE DEVICE WITH RAISED FRAME STRUCTURE, 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 Global Pte. Ltd.'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 Global Pte. Ltd., 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 Global Pte. Ltd., 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 Global Pte. Ltd. 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 2022 as indicated below.

Benfeng Zhang L.S. 张本峰 L.S. 7/7/2022
Benfeng Zhang 张本峰 Date

Jiansong Liu L.S. 柳建松 L.S. 2/21/2022
Jiansong Liu 柳建松 Date

Benjamin P Abbott L.S. Date: April 4 2022
Benjamin Paul Abbott

Kwang Jae Shin L.S. 신광재 L.S. 3/17/2022
Kwang Jae Shin 신광재 Date

Alexandre Augusto Shirakawa L.S. Date: 4/11/2022
Alexandre Augusto Shirakawa