505514257 06/07/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKAHIKO YANAGITANI	03/31/2017
MASASHI SUZUKI	03/31/2017

RECEIVING PARTY DATA

Name:	WASEDA UNIVERSITY	
Street Address:	104 TOTSUKAMACHI 1-CHOME	
City:	SHINJYUKU-KU, TOKYO	
State/Country:	JAPAN	
Postal Code:	1698050	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16087749

CORRESPONDENCE DATA

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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.

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Correspondent Name: AVAGO TECHNOLOGIES, LTD.

Address Line 1: 4380 ZIEGLER ROAD

Address Line 4: FORT COLLINS, COLORADO 80525

ATTORNEY DOCKET NUMBER:	170010US01
NAME OF SUBMITTER:	CRIS E. JOHNSON
SIGNATURE:	/Cris E. Johnson/
DATE SIGNED:	06/07/2019

Total Attachments: 1

source=Revised assignment agreement#page1.tif

PATENT REEL: 049403 FRAME: 0230

505514257

ASSIGNMENT AGREEMENT

WHEREAS, Takahiko YANAGITANI of Tokyo, Japan and Masashi SUZUKI of Tokyo, Japan (the "INVENTORS") conceived of one or more inventions and improvements relating to PIEZOELECTRIC LAYER AND PIEZOELECTRIC DEVICE COMPRISING THE PIEZOELECTRIC LAYER (the "INVENTIONS");

WHEREAS, a patent application (the "APPLICATION") for the INVENTIONS: X will be filed with the United States Patent and Trademark Office (the "USPTO"); or was filed with the USPTO on ____ as Application No. WHEREAS, Waseda University, having a principal place of business at 104 Totsukamachi 1-chome, Shinjyuku-ku Tokyo 1698050, Japan (the "ASSIGNEE") desires to acquire the entire right, title and interest in and to the

INVENTIONS, and all patent applications and all patents granted, or that may be granted hereafter, for the INVENTIONS. NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, INVENTORS does hereby sell, assign and transfer to ASSIGNEE, and its successors, assigns and

legal representatives, the entire right, title and interest, for the United States and all foreign countries, in and to the INVENTIONS, and in and to the APPLICATION and all provisional, divisional, continuing, substitute, renewal, reissue, reexamination and all other applications for Letters Patent which have been or shall be filed in the United States, foreign countries, or both, for the INVENTIONS, and all the rights and privileges under any and all Letters Patent that may be granted therefor, including any reissues, reexaminations and extensions thereof, together with all claims for damages by reason of past infringement of said patent with the right to sue for and collect the same.

INVENTORS agree to sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for the INVENTIONS in any and all countries and for vesting title thereto in ASSIGNEE.

INVENTORS authorize and empower ASSIGNEE to make applications for patent or other form of protection for the INVENTIONS in ASSIGNEE's own name in any and all countries, and to invoke and claim for any application for patent or other form of protection for the INVENTIONS filed by ASSIGNEE, the benefit of all rights of priority provided by any and all treaties, conventions or agreements without further written or oral authorization.

INVENTORS do hereby consent that a copy of this Assignment Agreement shall be deemed a full legal and formal equivalent of any assignment, consent to file or similar document which may be required in any country for any purpose, including proof of the right of ASSIGNEE to apply for patent or other form of protection for the INVENTIONS and to claim the aforesaid benefit of the right of priority.

INVENTORS hereby grant to the firm of Volentine & Whitt PLLC, or its agents, the power to insert on this Assignment Agreement any further identification, including but not limited to application numbers and filing dates, which may be necessary or desirable to comply with any rule or request of the USPTO for the purpose of recording this Assignment Agreement.

IN WITNESS WHEREOF, INVENTOR signed on the date set forth below.

INVENTOR

INVENTOR

和论隆存 ate March 31,2017

PATENT REEL: 049403 FRAME: 0231

RECORDED: 06/07/2019