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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KATSUHIKO NAKANO	09/09/2019
MASAKI NASU	09/09/2019
KOICHI HASEGAWA	09/09/2019
SHINYA TAHARA	09/09/2019

RECEIVING PARTY DATA

Name:	SUMITOMO RIKO COMPANY LIMITED	
Street Address:	1, HIGASHI 3-CHOME, KOMAKI-SHI,	
City:	AICHI	
State/Country:	JAPAN	
Postal Code:	4858550	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16595522

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 91418-US-1554-PCT(CA)

NAME OF SUBMITTER: BELINDA LEE

SIGNATURE: /Belinda Lee/

DATE SIGNED: 10/17/2019

Total Attachments: 2

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> PATENT REEL: 050755 FRAME: 0173

ASSIGNMENT

WHEREAS,

Katsuhiko Nakano
 Masaki Nasu

3. Koichi Hasegawa 4. Shinya Tahara

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: TRANSDUCER AND METHOD FOR MANUFACTURING SAME

[] Filed: Serial No.

[x] Executed concurrently with the execution of this instrument

WHEREAS, Sumitomo Riko Company Limited

of 1, Higashi 3-chome, Komaki-shi, Aichi 485-8550 Japan

hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same:

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said rights, title and interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee Lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

PATENT REEL: 050755 FRAME: 0174

Fourth Joint Inventor: Shinya Tahara

ASSIGNMENT CONTINUED

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

Signature: Katsuhiko Nakano

Date: SEP. 0 9. 2019

Signature: Masaki Nasu

SEP. 0 9. 2019

Date: SEP. 0 9. 2019

Date: SEP. 0 9. 2019

Date: SEP. 0 9. 2019

Signature: Koichi Hasegawa

SEP. 0 9. 2019

Date: Date: Date: Date: SEP. 0 9. 2019

Date: Date: