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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HARUMI TAKEOKA	06/04/2018
KAZUHARU YOSHIDA	05/24/2018
RYUTA IDO	05/28/2018
JUNICHI TAKEUCHI	05/28/2018

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Postal Code:	1006422
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16064582

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PATENT 504970584 REEL: 046162 FRAME: 0177

SIGNATURE:	/Victor Santos/
DATE SIGNED:	06/21/2018
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	

PATENT REEL: 046162 FRAME: 0178

ASSIGNMENT OF PATENT

WHEREAS, WE, Harumi TAKEOKA, Citizen of Japan, residing at c/o KYOCERA Corporation, 6, Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi, Kyoto 612-8501 Japan, Kazuharu YOSHIDA, Citizen of Japan, residing at c/o TANAKA KIKINZOKU KOGYO K.K., 7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-6422 Japan and Ryuta IDO and Junichi TAKEUCHI, Citizens of Japan, all residing at c/o TANAKA KIKINZOKU KOGYO K.K., Iwate Plant, 32-3, Aza Matsunagane, Iwayado, Esashi-ku, Oshu-shi, Iwate 023-1101 Japan (hereinafter referred to as "Assignors") have invented and own a certain invention entitled Seal Ring, Electronic Component Housing Package, Electronic Device, and Manufacturing Methods Thereof

for which a PCT application was filed on **December 19, 2016** serial no. PCT/JP2016/087745, and which claims priority to Japanese Patent Application No. 2015-250472, filed **December 22, 2015**; and

WHEREAS, TANAKA KIKINZOKU KOGYO K.K., a corporation organized and existing under and by virtue of the laws of Japan and having its principal place of business at 7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-6422 Japan and KYOCERA Corporation, a corporation organized and existing under and by virtue of the laws of Japan and having its principal place of business at 6, Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi, Kyoto 612-8501 Japan (hereinafter referred to as "ASSIGNEE(S)"), are desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent and similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto ASSIGNEE(S), its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the Paris Convention for the Protection of Industrial Property; and ASSIGNORS hereby authorize and request the United States Commissioner

Orrick Ref.

said ASSIGNEE(S), its successors and assigns, in accordance with this ASSIGNMENT and hereby transfers all rights of action, power and benefit belonging to or accruing from the invention including the right to undertake proceedings to recover past and future damages and claim all other relief in respect of any acts of infringement thereof whether such acts shall have been committed before or after the date of this ASSIGNMENT.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this ASSIGNMENT.

ASSIGNORS further covenant that ASSIGNEE(S) will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and that ASSIGNORS will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE(S) or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

WITNESS my hand at _____

ntry)

Kyoto-shi, Kyoto

WITNESS my hand at		
	(City & State OR Province & Country)	
this <u>24</u> day of <u>May</u>	, 2018.	
	Kasuharu Yoshida	
	Kazuharu YOSHIDA	-
WITNESS my hand at	Oshu-shi, Iwate ,	
	(City & State OR Province & Country)	
this 28 day of May	, 2018.	
	Ryuta Idu	
	Ryuta IDO	-
WITNESS my hand at	Oshu-shi, Iwate	
	(City & State OR Province & Country)	
this 28 day of May	, 2018.	
	Junichi TAKEUCHI	
	Junichi TAKEUCHI	-