PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4968396

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RYOHEI OMORI	05/06/2018
NOBORU KATO	05/07/2018
KUNIHIRO KOMAKI	05/08/2018

RECEIVING PARTY DATA

Name:	MURATA MANUFACTURING CO., LTD.	
Street Address:	10-1, HIGASHIKOTARI 1-CHOME	
City:	NAGAOKAKYO-SHI, KYOTO-FU	
State/Country:	JAPAN	
Postal Code:	617-8555	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15983657

CORRESPONDENCE DATA

Fax Number: (212)484-3990

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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ARENT FOX LLP **Correspondent Name:** Address Line 1: 1675 BROADWAY

Address Line 4: **NEW YORK, UNITED STATES 10019**

ATTORNEY DOCKET NUMBER:	036458.00070	
NAME OF SUBMITTER:	INGA HILDRETH	
SIGNATURE:	/IH/	
DATE SIGNED:	05/18/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 3 source=OMORI#page1.tif source=KATO#page1.tif source=KOMAKI#page1.tif

> **PATENT** REEL: 045846 FRAME: 0147 504921650

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT Title of SANITARY ARTICLE EQUIPPED WITH MOISTURE-DETECTING REID TAG Invention As the below named inventor, I declare that: This declaration is directed to x The attached application, or United States application or PCT international application number The above identifier application was made or authorized to be made by me I believe that I am the original inventor or an original joint inventor of a claimed invention in the application I have reviewed and understand the contents of the above-identified application, including the dialoss. I acknowledge the duty to disclose to the United States Pelent and Trademark Office all information knows to make be material to potentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international fling date of the Fix good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged. It as assignor, hereby seek assign and set over to Murata Manufacturing Co., Ltd., having an address at 10-1, Higashkotar function sugarystyrush. Kyolic-full(17-8555, Japan, as assignee, the entire right, title and interest for the Limited States and at other countries in and to all inventions disclosed and/or claimed in the above identified application, at original, distanced, continuation, substitute or ressus applications and patents applied for or granted therefor in the United States and all other countries, including all hypits of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Passets and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting there from to said assign herein, as assignee of the entire interest therein, and the undersigned for myself and my legal necressifiatives, here and assigns do hereby agree and covenant without further remimeration, to execute and deliver at givenonal continuation resistive and other applications for Palent on said inventions and all assignments thereof to said assigner or its assigns, to Constitution cate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requesters to testify in any interferences or other legal proceedings in which any of said applications or pateras may become involved, to sign all lawful papers, make all rightful paths, and to do generally everything necessary to assist assignees its successors, assigns and nominees to obtain patent protection for said inventions in the United States and all other countries. the expenses incident to said applications to be force and paid by said assignor The undersigned hereby coverants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment. As statements made herein of mylour own knowledge are true, all statements made herein on information and sellet are two event to be true, and further that these statements were made with the knowledge that within false statements and the like are purcentable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both, and may expandize the LEGAL NAME OF INVENTOR inventor: Ryonel Omon Date: MAY 06 29/8 **Signature

*An electronic S-signature is permitted. The S-signature must consist only of letters, or Arabic numerals, or both, with appropriatis spaces and comman, periods, apostrophes, or hyphens for punctuation, and the person signanc the commission dense must insert his or her S-signature with a first single forward slash mark before and a second single forward slash mark after the S-signature (e.g., Dr. James T. Jones, Jr./).

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN **APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT** Title of SANITARY ARTICLE EQUIPPED WITH MOISTURE-DETECTING RFID TAG invention As the below named inventor, I declare that: This declaration is directed to: The attached application, or United States application or PCT international application number The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application, I have reviewed and understand the contents of the above-identified application, including the claims. I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application. For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, as assignor, hereby sell, assign and set over to Murata Manufacturing Co., Ltd., having an address at 10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto-fu 617-8555, Japan, as assignee, the entire right, title and interest for the United States and all other countries in and to all inventions disclosed and/or claimed in the above-identified application, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting there from to said assignee herein, as assignee of the entire interest therein; and the undersigned for myself and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said inventions and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said inventions in the United States and all other countries. the expenses incident to said applications to be borne and paid by said assignee. The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment. All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both, and may jeopardize the validity of the application or any patent issuing thereon. LEGAL NAME OF INVENTOR

Inventor: Noboru Kato

**Signature: Moboru Kato

Date: May 7, 20/8

** An electronic S-signature is permitted. The S-signature must consist only of letters, or Arabic numerals, or both, with appropriate spaces and commas, periods, apostrophes, or hyphens for punctuation, and the person signing the correspondence must insert his or her own S-signature with a first single forward slash mark before and a second single forward slash mark after the S-signature (e.g., /Dr, James T, Jones, Jr./).

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT Title of Invention SANITARY ARTICLE EQUIPPED WITH MOISTURE-DETECTING RFID TAG As the below named inventor, I declare that: This declaration is directed to: | X | The attached application, or

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application,

United States application or PCT international application number

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, as assignor, hereby sell, assign and set over to Murata Manufacturing Co., Ltd., having an address at 10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto-fu 617-8555, Japan, as assignee, the entire right, title and interest for the United States and all other countries in and to all inventions disclosed and/or claimed in the above-identified application, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting there from to said assignee herein, as assignee of the entire interest therein; and the undersigned for myself and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said inventions and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said inventions in the United States and all other countries, the expenses incident to said applications to be borne and paid by said assignee.

The undersigned hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both, and may jeopardize the validity of the application or any patent issuing thereon.

LEGAL NAME	OF INVENTOR	
Inventor:	Kunihiro Komaki	Date: 14 8 , 2018
**Signature: _	Trinkino Komaki	

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