506986184 11/18/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT7033023 Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKAHIRO TAMURA	12/20/2017
YUICHI ONOZAWA	12/21/2017
MISAKI TAKAHASHI	12/21/2017

RECEIVING PARTY DATA

Name:	FUJI ELECTRIC CO., LTD.
Street Address:	1-1, TANABESHINDEN, KAWASAKI-KU
Internal Address:	KAWASAKI-SHI
City:	KANAGAWA
State/Country:	JAPAN
Postal Code:	210-9530

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17455664

CORRESPONDENCE DATA

Fax Number: (000)000-0000

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.

Phone: (949) 508-0195

Email: usdocket@ryuka.com
Correspondent Name: RYUKA USA LLP

Address Line 1: JP CALIMAN, 3 CORPORATE PARK

Address Line 2: SUITE 250

Address Line 4: IRVINE, CALIFORNIA 92606

ATTORNEY DOCKET NUMBER:	FE-0139PCTUS3
NAME OF SUBMITTER:	WILLIAM H. BOLLMAN
SIGNATURE:	/William H Bollman/
DATE SIGNED:	11/18/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

PATENT REEL: 058157 FRAME: 0694

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> PATENT REEL: 058157 FRAME: 0695

COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR §1.76) AND ASSIGNMENT.

As the below named inventor, I hereby declare that:
This declaration is directed to:
The attached application, or
United States application or PCT international application No. filed on .
The above-identified application was made or was 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 hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
WHEREAS I, the undersigned inventor, hereafter also referred to as "assignor", have invented certain new and useful improvements described in the above identified application; and
WHEREAS, <u>FUJI ELECTRIC CO., LTD.</u> hereinafter also referred to as "assignee", whose address is <u>1-1</u> , <u>Tanabeshinden</u> , <u>Kawasaki-ku</u> , <u>Kawasaki-shi</u> , <u>Kanagawa 210-9530 Japan</u> , is desirous of acquiring the entire right, title and interest in and to the application and invention, and to any United States patents to be obtained therefor;
NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged. I hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title, and interest in the application and the invention disclosed therein for the United States of America, including all divisions and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including any right to bring or maintain an action for infringement under the provisional rights granted pursuant to Title 35, Section 154 of the United States Code or any other cause of action for acts which would constitute infringement occurring prior to this assignment, and including the right to claim priority under the International Conventions of Paris (1883), as amended, of or in any corresponding foreign patent application, and I request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns.
Legal Name of Inventor Takahiro TAMURA
Inventor's Signature Lakahir Lamura Date December 20, 2017

PATENT REEL: 058157 FRAME: 0696

COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR §1.76) AND ASSIGNMENT.

As the below named inventor, I hereby declare that:

This declaration is directed to:

Legal Name of Inventor

Inventor's Signature

Yuichi ONOZAWA

The attached application, or
United States application or PCT international application No. filed on .
The above-identified application was made or was 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 hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
WHEREAS I, the undersigned inventor, hereafter also referred to as "assignor", have invented certain new and useful improvements described in the above identified application: and
WHEREAS, <u>FUJI ELECTRIC CO., LTD.</u> hereinafter also referred to as "assignee", whose address is <u>1-1</u> , <u>Tanabeshinden, Kawasaki-ku, Kawasaki-shi, Kanagawa 210-9530 Japan</u> , is desirous of acquiring the entire right, title and interest in and to the application and invention, and to any United States patents to be obtained therefor;
NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged. I hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title, and interest in the application and the invention disclosed therein for the United States of America, including all divisions and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including any right to bring or maintain an action for infringement under the provisional rights granted pursuant to Title 35, Section 154 of the United States Code or any other cause of action for acts which would constitute infringement occurring prior to this assignment, and including the right to claim priority under the International Conventions of Paris (1883), as amended, of or in any corresponding foreign patent application, and I request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns.

Juch Progova Date December 21 2017

REEL: 058157 FRAME: 0697

COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR §1.76) AND ASSIGNMENT.

As the below named inventor, I hereby declare that: This declaration is directed to: The attached application, or United States application or PCT international application No. filed on . The above-identified application was made or was 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 hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS I, the undersigned inventor, hereafter also referred to as "assignor", have invented certain new and useful improvements described in the above identified application; and

WHEREAS, <u>FUJI ELECTRIC CO., LTD.</u> hereinafter also referred to as "assignee", whose address is <u>1-1, Tanabeshinden, Kawasaki-ku, Kawasaki-shi, Kanagawa 210-9530 Japan</u>, is desirous of acquiring the entire right, title and interest in and to the application and invention, and to any United States patents to be obtained therefor;

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title, and interest in the application and the invention disclosed therein for the United States of America, including all divisions and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including any right to bring or maintain an action for infringement under the provisional rights granted pursuant to Title 35, Section 154 of the United States Code or any other cause of action for acts which would constitute infringement occurring prior to this assignment, and including the right to claim priority under the International Conventions of Paris (1883), as amended, of or in any corresponding foreign patent application, and I request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns.

Legal Name of Inventor

RECORDED: 11/18/2021

Misaki TAKAHASHI

Inventor's Signature

hrisaki Jakahashi

Date 2 Dec. 21, 2017

PATENT REEL: 058157 FRAME: 0698