PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MAKOTO NAKAMURA	11/20/2017
SHIMOTO ICHIHARA	11/20/2017
TOMONORI MAEKAWA	11/20/2017
YUKI WAGATSUMA	11/20/2017
SHINYA NAKANISHI	11/20/2017
YOSHITO SHIBATA	11/20/2017

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15856879

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NAME OF SUBMITTER:	DAVID M. PITCHER REG. NO. 25,908
SIGNATURE:	/David M. Pitcher/
DATE SIGNED:	01/03/2018

Total Attachments: 1

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar ($1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by
(Insert Name(s) & Address(es) of ASSIGNEE(S))

FUJI ELECTRIC CO., LTD.

1-1, Tanabeshinden, Kawasaki-ku, Kawasaki-shi, Kanagawa 210-9530 Japan

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

OPTICAL TOUCH PANEL AND AUTOMATIC VENDING MACHINE

relating to International Patent Application PCT/JP2016/066787 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on _____ ; *(Insert date of execution of application, if not concurrent)*

(b) filed on _____ ,

Serial No. _____ / _____ ;

> *Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.*

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

1) *(Signature)*	Makoto NAKAMURA *(Type Name)*	20 November, 2017 *(Date)*
2) *(Signature)*	Shimoto ICHIHARA *(Type Name)*	20 November, 2017 *(Date)*
3) *(Signature)*	Tomonori MAEKAWA *(Type Name)*	20 November, 2017 *(Date)*
4) *(Signature)*	Yuki WAGATSUMA *(Type Name)*	20 November, 2017 *(Date)*
5) *(Signature)*	Shinya NAKANISHI *(Type Name)*	20 November, 2017 *(Date)*
6) *(Signature)*	Yoshito SHIBATA *(Type Name)*	20 November, 2017 *(Date)*