

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HONDA MOTOR CO., LTD.	09/19/2017
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	OSAKA-SHI, OSAKA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	545-8522
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	7960937
Patent Number:	8405343
Patent Number:	8664909
<b>CORRESPONDENCE DATA</b>	
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<b>NAME OF SUBMITTER:</b>	SACHIKO REYNOLDS (TEAMS DEPT)

<b>SIGNATURE:</b>	/Sachiko Reynolds (Teams Dept)/
<b>DATE SIGNED:</b>	11/01/2017
<b>Total Attachments: 1</b> source=018417Assignmentasfiled#page1.tif	

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# Assignment

Whereas, **HONDA MOTOR CO., LTD.**, of 1-1, MINAMI-AOYAMA 2-CHOME MINATO-KU, TOKYO, JAPAN 107-8556 hereinafter referred to as "Assignor", and **FUJI ELECTRIC CO., LTD.**, of 1-1 Tanabeshinden, Kawasaki-ku, Kawasaki-shi, Kanagawa, JAPAN 210-9530, and **SHARP KABUSHIKI KAISHA**, of 22-22, Nagaïke-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan, hereinafter referred to as "Assignees", are all co-owners of the entire right, title and interest of the United States Patent Nos. 7960937, 8405343, and 8664909, and

Whereas, the above named "Assignees" desire to acquire the entire co-ownership right, title, and interest of the Assignor in said United States Patents, so the Assignees become the co-owners of the entire right, title and interest of said United States Patents.

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged, the above named Assignor hereby sells, assigns and transfers to the above named Assignees, its successors and assigns, nunc pro tunc, as of July 5, 2017, its entire right, title and interest in said United States Patents, and any continuations, divisionals, reissues and/or re-examinations thereof, together with all claims for damages by reason of past infringement, with the right of Assignees to sue for and collect the same for their own use and enjoyment.

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

The undersigned (whose title is supplied below) is authorized to act on behalf of the application (e.g., where the applicant is a juristic entity).

**HONDA MOTOR CO., LTD.**

Date: September 19, 2017

By: Tatsuya Nishikawa

Tatsuya Nishikawa

Typed Name

Corporate Intellectual Property Division  
General Manager

Title