

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SHUICHIRO YOSHIDA	10/30/2015
KEIICHI KONDO	11/06/2015
RECEIVING PARTY DATA	
Name:	HONDA MOTOR CO., LTD.
Street Address:	1-1, MINAMI-AOYAMA 2-CHOME
Internal Address:	MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	107-8556
Name:	FUKUI PREFECTURAL GOVERNMENT
Street Address:	17-1, OTE 3-CHOME
City:	FUKUI-SHI, FUKUI
State/Country:	JAPAN
Postal Code:	910-8580
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14965390
CORRESPONDENCE DATA	
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<i>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.</i>	
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NAME OF SUBMITTER:	DAVID E. SPAW
SIGNATURE:	/David E. Spaw/

DATE SIGNED:	12/14/2015
Total Attachments: 3 source=40545-Assignment#page1.tif source=40545-Assignment#page2.tif source=40545-Assignment#page3.tif	

ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in

MATRIX MATERIAL

that are the subject of an application for a U.S. Patent, (identified as Application No. 14/965390 filed on December 10, 2015), which application is still further identified as Rankin, Hill & Clark LLP Docket No. TOH-40545.

WHEREAS, HONDA MOTOR CO., LTD., a corporation of JAPAN, and having a place of business at 1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo 107-8556, JAPAN and FUKUI PREFECTURAL GOVERNMENT, a corporation of JAPAN, and having a place of business at 17-1, Ote 3-chome, Fukui-shi, Fukui 910-8580, JAPAN, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Rankin, Hill & Clark LLP the power to insert on this assignment any identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

(1) Inventor Name (sole or joint): Shuichiro YOSHIDA
Signature: *Shuichiro Yoshida*
Today's Date: October 30, 2015

Witness: *Yasuhide Osada* Yasuhide OSADA

Witness: *Hiroshi Tokimoto* Hiroshi TOKIMOTO

(2) Inventor Name (joint): Keiichi KONDO

Signature: Keiichi Kondo

Today's Date: November 6, 2015

Witness: Kouhei Yamada Kouhei YAMADA

Witness: Tomokazu Maegawa Tomokazu MAEGAWA