

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5644408

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TAKERO ARIMA	07/25/2019
JAMES MARION COURNYER	07/25/2019
ROBERT UYEKI	07/19/2019
GEOFFREY WOO HONDA	07/22/2019
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
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16526930
CORRESPONDENCE DATA	
Fax Number:	(216)566-9711
<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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Address Line 4:	NORTH OLMSTED, OHIO 44070
ATTORNEY DOCKET NUMBER:	HRA-45801
NAME OF SUBMITTER:	JACK D. GAU
SIGNATURE:	/Jack D. Gau/
DATE SIGNED:	07/30/2019
Total Attachments: 6	

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WHEN RECORDED RETURN TO:
RANKIN, HILL & CLARK LLP

PATENT APPLICATION
Docket No.: HRA-45801

A S S I G N M E N T

I/We the undersigned, hereinafter collectively referred to as "Assignor", have made
an invention entitled

ENERGY MANAGEMENT

Preferred embodiments of said invention are disclosed in a United States patent
application which:

X Is executed concurrently herewith for filing in the United States Patent and
Trademark Office and has been assigned Application Serial No.
with a filing date of

Was previously filed in the United States Patent and Trademark Office

On as Application Serial No.

Is a United States National Application of PCT International Application

No. filed

(The undersigned hereby grants to the attorneys of

RANKIN, HILL & CLARK LLP

and Honda Patents & Technologies North America, LLC 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, including but not limited to the application number and filing date, if not already
provided in this document.)

ASSIGNMENT HRA-45801

PATENT

REEL: 049909 FRAME: 0305

WHEREAS, The Assignee, Honda Motor Co., Ltd., having a principal place of business at

1-1, Minami-Aoyama 2-Chome, Minato-ku, Tokyo, 107-8556, Japan

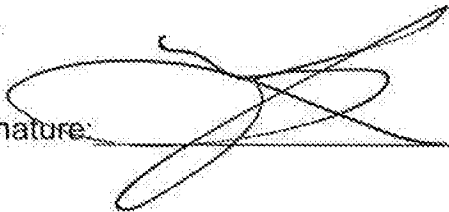
desires to secure the entire right, title, and interest, throughout the world, in, to, and under said invention and the patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said invention 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 invention 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 invention, 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, including the right to claim the benefits of the International Convention for such applications.

This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

Inventor 1 Name:

Takero Arima

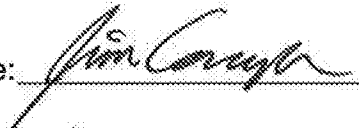
Inventor's signature: 

Date: 7/25/2019

This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

Inventor 2 Name:

James Marion Courmyer

Inventor's signature:  Date: 7-25-19

This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

Inventor 3 Name:

Robert Uyeki

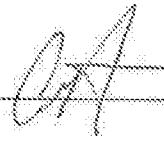
Inventor's signature: Robert Uyeki Date: 7-19-2019

This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

Inventor 4 Name:

Geoffrey Woo Honda

Inventor's signature:



Date:

7/22/19

ASSIGNMENT HRA-45801

PATENT

RECORDED: 07/30/2019

REEL: 049909 FRAME: 0310