504101029 11/17/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ATSUSHI SHIMADA	10/19/2016
TAKAO ISHIKAWA	10/18/2016
YUZO SHIRAKAWA	10/19/2016

RECEIVING PARTY DATA

Name:	HITACHI, LTD.			
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City:	TOKYO			
State/Country:	JAPAN			
Postal Code:	100-8280			

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15311991		

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: HITACHI10-111400861US01 NAME OF SUBMITTER: GERALD B. HALT, JR. **SIGNATURE:** /Gerald B. Halt, Jr./ **DATE SIGNED:** 11/17/2016

Total Attachments: 1

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PATENT REEL: 040360 FRAME: 0513

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ASSIGNMENT

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi, Ltd., a corporation organized under the laws of Japan, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

ETHANOL ENGINE SYSTEM

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Hitachi, Ltd., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi, Ltd.,

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン)				Date Signed (署名日)		
1)	Atsushi SHIMADA	Strush	Shimada	 19/10/2016		
2)	Takao ISHIKAWA		Schilswell	 18/10/2016		
3)	Yuzo SHIRAKAWA		Shirakawa	 19/10/2016		
4)						
6)	· · · · · · · · · · · · · · · · · · ·					
8)		_110/100				
10)						

PATENT REEL: 040360 FRAME: 0514

RECORDED: 11/17/2016