

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Hirotooshi ISHIMARU</td><td>09/10/2007</td></tr><tr><td>Tetsuro MIYAMOTO</td><td>09/18/2007</td></tr><tr><td>Takao ISHIKAWA</td><td>09/14/2007</td></tr><tr><td>Atsushi SHIMADA</td><td>09/14/2007</td></tr><tr><td>Masatoshi SUGIMASA</td><td>09/14/2007</td></tr></tbody></table>	Name	Execution Date	Hirotooshi ISHIMARU	09/10/2007	Tetsuro MIYAMOTO	09/18/2007	Takao ISHIKAWA	09/14/2007	Atsushi SHIMADA	09/14/2007	Masatoshi SUGIMASA	09/14/2007	
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Hitachi, Ltd.</td></tr><tr><td>Street Address:</td><td>6-6, Marunouchi 1-chome</td></tr><tr><td>City:</td><td>Chiyoda-ku, Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr></table>	Name:	Hitachi, Ltd.	Street Address:	6-6, Marunouchi 1-chome	City:	Chiyoda-ku, Tokyo	State/Country:	JAPAN					
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PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11866464</td></tr></tbody></table>	Property Type	Number	Application Number:	11866464									
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Application Number:	11866464												
CORRESPONDENCE DATA													
Fax Number: (703)312-6666 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 7033126600													
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ATTORNEY DOCKET NUMBER:	500.48023X00												
NAME OF SUBMITTER:	Alan E. Schiavelli												
Total Attachments: 2 source=48023X00ASNCOV#page1.tif													

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PATENT
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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Attorney Docket No. 500.48023X00

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Hirotoishi ISHIMARU
Tetsuro MIYAMOTO
Takao ISHIKAWA
Atsushi SHIMADA
Masatoshi SUGIMASA

2. Name and address of receiving party(ies)

Name: **Hitachi, Ltd.**

Street Address: **6-6, Marunouchi 1-chome
Chiyoda-ku, Tokyo, Japan**

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/ Execution Date: **September 10, 2007;
September 18, 2007; September 14, 2007; September 14,
2007 and September 14, 2007.**

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other .

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/866,464

B. Patent Registration No.(s)

Additional number(s) attached ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **ANTONELLI, TERRY, STOUT & KRAUS, LLP**

Internal Address:

1300 NORTH 17TH STREET - SUITE 1800

City: **ARLINGTON** State: **VA** Zip **22209**

Phone Number: **(703) 312-6600**

Facsimile Number: **(703) 312-6666**

Email Address: **email@antonelli.com**

6. Total number of applications and patents involved **1**

7. Total fee (37 CFR 3.41)..... **\$40.00**

- ☒ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information:

a. Credit Card Last 4 numbers: **1073**
Expiration date: **06/10**

b. Deposit account number: **01-2135**

Authorized User Name: **William I. Solomon**

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Alan E. Schiavelli, Reg#32,087

/Alan E. Schiavelli/

10/05/2007

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: **2**

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

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

HYDROGEN 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) <u>Hirotoishi Ishimaru</u> Hirotoishi ISHIMARU	<u>9/10/2007</u>
2) <u>Tetsuro Miyamoto</u> Tetsuro MIYAMOTO	<u>9/18/2007</u>
3) <u>Takao Ishikawa</u> Takao ISHIKAWA	<u>9/14/2007</u>
4) <u>Atsushi Shimada</u> Atsushi SHIMADA	<u>9/14/2007</u>
5) <u>Masatoshi Sugimasa</u> Masatoshi SUGIMASA	<u>9/14/2007</u>
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____

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