

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yutaka SATO	12/24/2010
Ryuji KONO	12/24/2010
Mitsuru KOSEKI	12/24/2010
Hidemasa KAWAI	12/24/2010
Hideyuki SHIBANUMA	12/27/2010
Naoki KIMURA	12/24/2010
Keisuke SAWADA	12/24/2010
Fujio HIRANO	12/24/2010
Takuro TSUNAKI	12/27/2010
Takenori ISHIZU	12/24/2010
Kiyoyuki SEKINE	12/24/2010
Kinya AOTA	12/24/2010
Kouichi KAJIWARA	12/27/2010
Sho SAIMARU	12/24/2010

RECEIVING PARTY DATA

Name:	Hitachi Vehicle Energy, Ltd.
Street Address:	1410, Inada
City:	Hitachinaka-shi, Ibaraki
State/Country:	JAPAN
Postal Code:	312-0061

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29385391

CORRESPONDENCE DATA

Fax Number: (703)312-6666

501436929

PATENT
REEL: 025801 FRAME: 0213

OP \$40.00 29385391

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ATTORNEY DOCKET NUMBER:	501.1245D00
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NAME OF SUBMITTER:	Alan E. Schiavelli
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Total Attachments: 2 source=1245D00ASIGN#page1.tif source=1245D00ASIGN#page2.tif
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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 Vehicle Energy, Ltd.

a corporation organized under the laws of Japan,

located at 1410, Inada, Hitachinaka-shi, Ibaraki, 312-0061, Japan

receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi Vehicle Energy, Ltd.

its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

PORTION OF BATTERY

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 Vehicle Energy, 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 Vehicle Energy, Ltd.

Signed on the date(s) indicated aside our signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Yutaka Sato</u>	<u>12/24/2010</u>
2) <u>Ryuji Kono</u>	<u>12/24/2010</u>
3) <u>Mitsuru Kaseki</u>	<u>12/24/2010</u>
4) <u>Hidemasa Kawai</u>	<u>12/24/2010</u>
5) <u>Shibanuma Hideyuki</u>	<u>12/27/2010</u>
6) <u>Naoki Komura</u>	<u>12/24/2010</u>
7) <u>Keisuke Sawada</u>	<u>12/24/2010</u>
8) <u>Fujiro Nizano</u>	<u>12/24/2010</u>
9) <u>Takuro Tsunaki</u>	<u>12/27/2010</u>
10) <u>Takenori Ishizu</u>	<u>12/24/2010</u>

PATENT

REEL: 025801 FRAME: 0215

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 Vehicle Energy, Ltd.

a corporation organized under the laws of Japan,

located at 1410, Inada, Hitachinaka-shi, Ibaraki, 312-0061, Japan

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its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

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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 Vehicle Energy, 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 Vehicle Energy, Ltd.

Signed on the date(s) indicated aside our signatures:

INVENTOR(S)
(発明者フルネームサイン)

Date Signed
(署名日)

1) Kiyoyuki Sekine

12/24/2010

2) Kinza Aota

12/24/2010

3) Kouichi Hagiwara

12/27/2010

4) Sho Saimaru

12/24/2010

5) _____

6) _____

7) _____

8) _____

9) _____

10) _____

PATENT

RECORDED: 02/14/2011

REEL: 025801 FRAME: 0216