

PATENT ASSIGNMENT

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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>Hiroshi FUJIMOTO</td><td>10/24/2011</td></tr><tr><td>Hironobu SHINOHARA</td><td>10/21/2011</td></tr><tr><td>Yasutake AKIZUKI</td><td>10/24/2011</td></tr><tr><td>Toshiki FUKUI</td><td>10/21/2011</td></tr><tr><td>Yuichi TANAKA</td><td>10/21/2011</td></tr><tr><td>Shinji KIUCHI</td><td>10/21/2011</td></tr><tr><td>Hiroshi SHIRASAWA</td><td>10/21/2011</td></tr><tr><td>Toshiaki MATSUMURA</td><td>10/21/2011</td></tr></tbody></table>		Name	Execution Date	Hiroshi FUJIMOTO	10/24/2011	Hironobu SHINOHARA	10/21/2011	Yasutake AKIZUKI	10/24/2011	Toshiki FUKUI	10/21/2011	Yuichi TANAKA	10/21/2011	Shinji KIUCHI	10/21/2011	Hiroshi SHIRASAWA	10/21/2011	Toshiaki MATSUMURA	10/21/2011
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RECEIVING PARTY DATA																			
<table border="1"><tr><td>Name:</td><td>MITSUBISHI HEAVY INDUSTRIES, LTD.</td></tr><tr><td>Street Address:</td><td>16-5, Konan 2-chome</td></tr><tr><td>City:</td><td>Minato-ku, Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>108-8215</td></tr></table>		Name:	MITSUBISHI HEAVY INDUSTRIES, LTD.	Street Address:	16-5, Konan 2-chome	City:	Minato-ku, Tokyo	State/Country:	JAPAN	Postal Code:	108-8215								
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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>13296313</td></tr></tbody></table>		Property Type	Number	Application Number:	13296313														
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Application Number:	13296313																		
CORRESPONDENCE DATA																			
Fax Number:	(202)822-1111																		

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Total Attachments: 6

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## U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by  
(Insert Name(s) & Address(es) of ASSIGNEE(S))

MITSUBISHI HEAVY INDUSTRIES, LTD.

16-5, Konan 2-chome, Minato-ku, Tokyo 108-8215 Japan

Mitsubishi Electric Corporation

7-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled  
(Title of Invention)

REACTOR SHUTDOWN SYSTEM

relating to International Patent Application PCT/JP\_\_\_\_\_/\_\_\_\_\_ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on \_\_\_\_\_; (Insert date of execution of application, if not concurrent)

(b) filed on \_\_\_\_\_

Serial No. \_\_\_\_/\_\_\_\_\_;

Assignee's attorney is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

1) <u>Hiroshi Fujimoto</u> (Signature)	<u>Hiroshi FUJIMOTO</u> (Type Name)	<u>Oct. 24, 2011</u> (Date)
2) <u>Hironobu Shinozaki</u> (Signature)	<u>Hironobu SHINOHARA</u> (Type Name)	<u>Oct. 24, 2011</u> (Date)
3) <u>Yasutake Akizuki</u> (Signature)	<u>Yasutake AKIZUKI</u> (Type Name)	<u>Oct. 27, 2011</u> (Date)
4) <u>Toshiki Fukui</u> (Signature)	<u>Toshiki FUKUI</u> (Type Name)	<u>Oct. 21, 2011</u> (Date)
5) <u>Yuichi Tanaka</u> (Signature)	<u>Yuichi TANAKA</u> (Type Name)	<u>Oct. 21, 2011</u> (Date)

6)	_____ (Signature)	<b>Shinji KIUCHI</b> (Type Name)	_____ (Date)
7)	_____ (Signature)	<b>Hiroshi SHIRASAWA</b> (Type Name)	_____ (Date)
8)	_____ (Signature)	<b>Toshiaki MATSUMURA</b> (Type Name)	_____ (Date)
9)	_____ (Signature)	_____ (Type Name)	_____ (Date)
10)	_____ (Signature)	_____ (Type Name)	_____ (Date)

2011-415

PMHA-11025-1

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1) _____ (Signature)	Hiroshi FUJIMOTO (Type Name)	_____ (Date)
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PMHIA-11042-05

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8)	<u>Toshiaki Matsumura</u> (Signature)	Toshiaki MATSUMURA _____ (Type Name)	<u>October 21, 2011</u> (Date)
9)	_____ (Signature)	_____ (Type Name)	_____ (Date)
10)	_____ (Signature)	_____ (Type Name)	_____ (Date)