

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Kazunari IDE</td> <td>02/22/2012</td> </tr> <tr> <td>Hiroyuki ENDO</td> <td>02/22/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kazunari IDE	02/22/2012	Hiroyuki ENDO	02/22/2012				
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<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, Minato-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>1088215</td> </tr> </table>		Name:	MITSUBISHI HEAVY INDUSTRIES, LTD.	Street Address:	16-5, Konan 2-chome, Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	1088215
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CORRESPONDENCE DATA											
<p>Fax Number: (202)721-8250 Phone: 2027218200 Email: wlp@wenderoth.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Wenderoth, Lind & Ponack, L.L.P. Address Line 1: 1030 15th Street, N.W. Address Line 2: Suite 400 East Address Line 4: Washington, DISTRICT OF COLUMBIA 20005</p>											
ATTORNEY DOCKET NUMBER:	2012-0049A										
NAME OF SUBMITTER:	Karen Gass										
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif											

OP \$40.00 13388106

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s) Kazunari IDE
of Inventor(s) Hiroyuki ENDO

Insert Name(s) the undersigned hereby sell(s) and assign(s) to
of Assignee(s) MTSUBISHI HEAVY INDUSTRIES, LTD.
Address of 16-5, Konan 2-chome, Minato-ku, Tokyo 1088215 Japan

Title of (hereinafter designated as the Assignee) the entire right, title and interest for the United States as
Invention defined in 35 USC 100, in the invention known as
EXHAUST GAS RECIRCULATION CONTROL DEVICE OF INTERNAL COMBUSTION ENGINE

Date of for which an application for patent in the United States has been executed by the undersigned
Signing of on February 22, 2012
Application _____

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 1030 15th Street, N.W., Suite 400 East, Washington, D.C. 20005-1503, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordal of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date February 22, 2012

Kazunari Ide
Kazunari IDE

Date February 22, 2012

Hiroyuki Endo
Hiroyuki ENDO

Date _____

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness M. Nakayama

Witness Haruko Fujii

ACKNOWLEDGMENT

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ss

This _____ day of _____, 20____, before me personally came the above-named _____ to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

SEAL

Official Signature

Official Title

The above application may be more particularly identified as follows:

U.S. Application Serial No.: _____

Filing Date: _____

Applicant Reference Number: 10-204US

Attorney Docket No.: 2012_0049A