501857936 03/19/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yoshikatsu IKAWA	02/20/2012
Masato MITSUHASHI	02/20/2012
Kazunari IDE	02/20/2012

RECEIVING PARTY DATA

Name:	MITSUBISHI HEAVY INDUSTRIES, LTD.	
Street Address:	16-5, Konan 2-chome, Minato-ku	
City:	Tokyo	
State/Country:	/Country: JAPAN	
Postal Code:	1088215	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13386142	

CORRESPONDENCE DATA

 Fax Number:
 (202)721-8250

 Phone:
 2027218200

 Email:
 wlp@wenderoth.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US

Mail.

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

ATTORNEY DOCKET NUMBER: 2011-2036A

NAME OF SUBMITTER: Karen Gass

Total Attachments: 2

source=Assignment#page1.tif source=Assignment#page2.tif

PATENT REEL: 027886 FRAME: 0821 IOP \$40.00 13386142

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)	Yoshikatsu IKAWA		
of Inventor(s)	Masato MITSUHASHI		
	Kazunari IDE		
Insert Name(s)	the undersigned hereby sell(s) and assign(s) to		
of Assignee(s)	MITSUBISHI HEAVY INDUSTRIES, LTD.		
of 16-5, Konan 2-chome, Minato-ku, Tokyo 1088215 Japan			
Address			
Title of Invention	(hereinafter designated as the Assignee) the entire right, title and interest for the Únited States as defined in 35 USC 100, in the invention known as		
	PM EMISSION AMOUNT ESTIMATION DEVICE FOR DIESEL ENGINE		
Date of	for which an application for patent in the United States has been executed by the undersigned		
Signing of Application	on February 20, 2012		
= =			

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 20, 20/2	Yashikatsu Ihawa
	Yoshikatsu IKAWA
Date February 20, 20/2	Masato Mitsulashi
	Masato MITSUHASHI
Date February 20, 20/2 Date February 20, 20/2	Kagunari Yole
	Kazunari IDE
Date	
execution by the Inventor(s) should be witnessed by Witness	nowledged before a United States Consul. If not, then the y at least two witnesses who sign here.) Lo Fy Malagrana
	l
ACK	NOWLEDGMENT
	ss
This day of	, 20, before me personally came the above-named
	ne personally known as the individual(s) who executed the that he (they) executed the same of his (their) own free will for
SEAL	Official Signature
	Official Title
The above application may be more partic	ularly identified as follows:
U.S. Application Serial No.:	Filing Date:
Applicant Reference Number: 10-199US	Attorney Docket No.: 2011 2036A

PATENT REEL: 027886 FRAME: 0823