m PTO-1595 (Rev. 03-05) 18 No. 0651-0027 (exp. 6/30/2005)	U.S. DEPARTMENT OF COMMERC United States Patent and Trademark Offic
RECORDATION FOR	
PATENTS	
To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.
I. Name of conveying party(ies): Yuji ODA (8/9/2005) and Shun-ichi MORI (8/17/2005) Additional name(s) of conveying party(ies) attached? Yas X No Nature of conveyance/Execution Date(s): Execution Date(s): in parentheses after inventor name X Assignment Merger Change of Name Security Agreement Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License	2. Name and address of receiving party(los) Name: Mitsubishi Heavy Industries, Ltd. Internal Address: Street Address: 16-5, Konan 2-chome, Minato-ku Tokyo 108-8215 JAPAN City: State: Country: Zip: Additional name(s) & address(as) Yes X No
4. Application or patent number(s): A. Patent Application No.(s) 10/535,852 Additional numbers attached	This document is being filed together with a new application. B. Patent No.(s) Yes X No.
. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Charles Gorenstein BIRCH, STEWART, KOLASCH & BIRCH, LLP Internal Address: Atty. Dkt.: 4898-0102PUS1 Street Address: 8110 Gatehouse Road Suite 100 East P.O. Box 747	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed None required (government interest not affecting to
City: Falls Church State: VA Zip: 22040-0747 Phone Number: (703) 205-8000 Fax Number: (703) 205-8050 Email Address: mailroom@bskb.com	8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 02-2448 Authorized User Name Charles Gorenstein
9. Signature: Signature Charles Gorenstein - 29,271 Name of Person Signing	January 6, 2006 Date Total number of pages including cover sheet, attachments, and documents:

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ATTORNEY DOCKETNO. 4898-0102PUS1

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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ASSIGNMENT

	Application No. 10/535,852		Filed 05/20/2005		
Insert Name(s) of Inventor(s)	***(Given Name FAMILY NAME (ALL CAPS))***				
J. 111, 411, 1-7 (-)	WHEREAS,	Yuji ODA	; Shunichi MORI		
		<u> </u>			
	(heroinafter designated as th	e undersigned) has (have) inve	nted certain new and useful improvements in		
Insert Title			RNAL COMBUSTION ENGINE		
Or Invention	for which an application for undersigned (except in the c	r Letters Patent of the United case of a provisional application	States of America has been executed by the 1).		
Insert Date of Signing of Application	on Aug. 9 & A	Aug.17, 2005 (res	spectively);and		
Insert Name of Assignee	WHEREAS, MIT	SUBISHI HEAVY INDUS	TRIES, LTD.		
Insert Address of Assignee	16-5, Konan 2-c	home, Minato-ku, To	kyo 108-8215		
CHECK BOX IF APPROPRIAT	its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and in any foreign countries. NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;				
	and to any and all division	ns, reissues, continuations, co	nversions and extensions thereof for the full		

term or terms for which the same may be granted.

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PATENT REEL: 017169 FRAME: 0361

Attorney Docket No. 4898-0102PUS1

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion 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, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the 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 of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the 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 law firm of Birch, Stewart, Kolasch & Birch, LLP 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

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

Date 9th Aug. 05	Name of Inventor Quiji ODA
Date 17 its Aug. 65	_, Name of Inventor(signature) Shunichi MORI
Date	Name of Inventor
Date	_, Name of Inventor(signature)
Date	
Date	, Name of Inventor

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June 2002