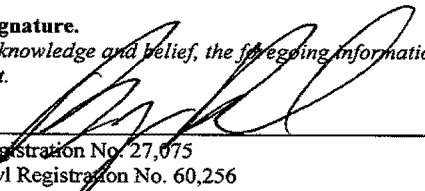


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				Attorney Docket No. 150233	
Please record the attached document.					
Total number of pages including cover sheet, attachments, and document: <u>2</u>					
1. A. Name of conveying parties: (1) Toru KIDOKORO (2) Hiroshi SAWADA (3) Yasushi IWAZAKI (4) Fumihiko NAKAMURA (5) Shuntaro OKAZAKI (6) Masanori ISHIDA B. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. A. Name and address of receiving party: TOYOTA JIDOSHA KABUSHIKI KAISHA 1, TOYOTA-CHO, TOYOTA-SHI, AICHI 471-8571 JAPAN B. Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. A. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ B. Execution Date: <u>(1-3): June 28, 2011;</u> <u>(4-6): June 29, 2011</u>					
4. A. Patent Application No. <u>13/146,323</u>		B. Patent No.(s)		Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
C. Title of Application: <u>A MONITORING APPARATUS FOR A MULTI-CYLINDER INTERNAL COMBUSTION ENGINE</u>					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>James A. Oliff</u> Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850 Phone Number: 703-836-6400 Fax Number: 703-836-2787			6. Total number of applications and patents involved: <u>1</u>		
			7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$ <u>40.00</u> .		
			8. Credit any overpayment or charge any underpayment to deposit account number <u>15-0461</u> .		
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>  _____ James A. Oliff Registration No. <u>27,075</u> Benjamin S. Prebyl Registration No. 60,256					
Date: <u>July 26, 2011</u>					

CH \$40.00 150461 13146323

ASSIGNMENT

- | | | |
|-------------------------------------|------------------------------|-----------------------------|
| (1-8) Insert Name(s) of Inventor(s) | (1) <u>Toru KIDOKORO</u> | (5) <u>Shuntaro OKAZAKI</u> |
| | (2) <u>Hiroshi SAWADA</u> | (6) <u>Masanori ISHIDA</u> |
| | (3) <u>Yasushi IWAZAKI</u> | (7) _____ |
| | (4) <u>Fumihiko NAKAMURA</u> | (8) _____ |

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

- | | |
|---------------------------------|---|
| (9) Insert Name of Assignee | (9) <u>TOYOTA JIDOSHA KABUSHIKI KAISHA</u> |
| (10) Insert Address of Assignee | (10) <u>1, Toyota-cho, Toyota-shi, Aichi 471-8571 Japan</u> |

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

- | | |
|--|--|
| (11) Insert Identification such as Title, Case Number, or Foreign Application Number | (11) <u>A Monitoring Apparatus For a Multi-cylinder Internal Combustion Engine</u>
<u>PCT/JP2009/051813</u> |
|--|--|
- (Attorney Docket No. _____)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

- | | |
|--|---|
| (12) Insert Date of Signing of Application | (12) on <u>even date herewith</u> |
| (13) Alternative Identification for filed applications | (13) U.S. application Serial Number <u>13/146,323</u>
filed <u>July 26, 2011</u> |

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) Each undersigned agrees 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.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

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

Date	<u>June 28, 2011</u>	Inventor Signature	<u>Toru Kidokoro</u>	(SEAL)
Date	<u>June 28, 2011</u>	Inventor Signature	<u>Hiroshi Sawada</u>	(SEAL)
Date	<u>June 28, 2011</u>	Inventor Signature	<u>Yasushi Iwazaki</u>	(SEAL)
Date	<u>June 29, 2011</u>	Inventor Signature	<u>Fumihiko Nakamura</u>	(SEAL)
Date	<u>June 29, 2011</u>	Inventor Signature	<u>Shuntaro Okazaki</u>	(SEAL)
Date	<u>June 29, 2011</u>	Inventor Signature	<u>Masanori Ishida</u>	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date	_____	Witness	_____
Date	_____	Witness	_____

PATENT