Mail Stop: Assignment Recordation Services RE Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450		ECORDATION FORM PATENTS O	NLY		MENT OF COMMERCE ent and Trademark Office
				— Docket No.	144133
Please record the attached document.				. ·	
Total number of pages including cover sheet, attachments, and document: 3					
1. A.	Name of conveying parties:		2. A. Name and a	ddress of receiving	ng party:
В.	<ol> <li>Kaoru OHTSUKA</li> <li>Shinichi SOEJIMA</li> <li>Naoto KATO</li> <li>Hiroyuki TANAKA</li> <li>Hayato NAKADA</li> <li>Keisuke KAWAI</li> <li>Additional name(s) of conveying pa</li> </ol>	tty(jes) attached?	TOYOTA JI KAISHA 1, TOYOTA AICHI-KEN	A L-CHO, TOY	OTA-SHI
		es 🖾 No			
3. A.	Nature of conveyance:		B. Additional r	name(s) & addres □Y	ss(es) attached? 'es 🗵 No
	Assignment	erger			
	Security Agreement Ch	ange of Name			
	Other				
В.	Execution Date: 1, 2 & 4: Decem 3: December 9, 3 5: December 15, 6: January 4, 20	2009 2009			
4. A.	Patent Application No. 12/669,897	7	B. Patent No.(s	s)	
	Ad	ditional numbers attache	ed? ☐ Yes ☒ No		
C.	Title of Application: CONTROL	L APPARATUS FOR	R INTERNAL COM	BUSTION EN	IGINE
			6. Total number of applications and patents involved: 1		
Name: James A. Oliff		7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.			
Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850 Phone Number: 703-836-6400 Fax Number: 703-836-2787			Credit any overpa deposit account n		any underpayment to
	<del></del>				
To or Ja	9. Statement and signature.  To the best of my knowledge and odlief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Date: January 20, 2010  James A. Oliff, Registration No. 27,975  Benjamin S. Prebyl, Registration No. 60,256				

PATENT

REEL: 023823 FRAME: 0220

OLIFF & BERRIDGE, PLC

TSN 2008-004 2002/003 TY 1254 US

## ASSIGNMENT

In consideration of the premises and other good and valuable con-	sideration i	in hand pai	d, the	receipt
and sufficiency of which is hereby acknowledged, the undersigned,				

(1) Kaoru OHTSUKA

(2) Shinichi SOEJIMA

(3) Naoto KATO(5) Hayato NAKADA

(4) <u>Hiroyuki TANAKA</u> (6) Keisuke KAWAI

who have made a certain new and useful invention, hereby sell, assign and transfer unto

## TOYOTA JIDOSHA KABUSHIKI KAISHA

1, Toyota cho, Toyota shi

Aichi-ken, 471-8571

**JAPAN** 

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

## CONTROL APPARATUS FOR INTERNAL COMBUSTION ENGINE

for which an application for United States Letters Patent was executed on even date herewith,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations in part thereof, and the right to all benefits under the international Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

1) Kacry Chlsuka

Name: Kaory OHTSUKA

Name: Kaory OHTSUKA

December 7, 2009

Name: Shinichi SOEJIMA

3) Paoto Lato

Name: Naoto KATO

DATE SIGNED

December 7, 2009

December 7, 2009

December 7, 2009

PATENT REEL: 023823 FRAME: 0221

TSN 2008 - 0091 - US-00 TY 125405

4) Hinozul Foroku	Pecenter 1, 2009
Name: Hiroyuki TANAKA	
Hayato Naleada	
7-T. T. T. S)2009.(2.15 & Natarda	December 15, 2009
Name: Hayato NAKADA	

Jamary 4 2010

**PATENT** 

REEL: 023823 FRAME: 0222