Mail Stop: Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office			
	Box 1450 andria, VA 22313-1450		At	torney Docket No.	147588		
Please record the attached document. Total number of pages including cover sheet, attachments, and document: 2							
	A. Name of conveying parties: [1] Shinichi SOEJIMA [2] Ken KOIBUCHI [3] Hirotada OTAKE [4] Keisuke KAWAI B. Additional name(s) of conveying		TOYO 1, TOY AICHI	OTA-CHO, TO -KEN, 471-8571	ABUSHIKI KAISHA YOTA-SHI, JAPAN		
	A. Nature of conveyance: Assignment Security Agreement Other B. Execution Date: [1]: August [2] & [3]: August 31, 2010 and [4]: September 8, 2010			•			
	A. Patent Application No.(s) 12/ C. Title of Application: CONT	993,922 Additional numbers attact ROL DEVICE FOR IN		0	JP.		
5.	Name and address of party to whom concerning document should be mail	correspondence	T		patents involved: 1		
	Name: James A. Oliff	-	7. Please ch total fee (arge Deposit Ac 37 CFR 3.41) in t	count No. 15-0461 the the amount of \$40.00.		
	Address: OLIFF & BERRIDG P.O. Box 32085 Alexandria, VA 2233 Phone Number: 703-83 Fax Number: 703-83	50 20-4850 136-6400	8. Credit any ov deposit accou	erpayment or chargent number 15-0461	e any underpayment to		
	Statement and signature. To the best of my knowledge and be original document. James A. Oliff, Registration No. 27, Jeffrey R. Bousquet, Registration No.	800 J		and any attached o			

PATENT REEL: 025311 FRAME: 0043 OLIFF & BERRIDGE, PLC

15N2∞9 - 0786-US-00 TY1537US

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, th	.e receip
and sufficiency of which is hereby acknowledged, the undersigned,	

(1) Shinichi SOEJIMA (2) Ken KOIBUCHI
(3) Hirotada OTAKE (4) 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 DEVICE 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) Shinichi Loeima	August 30, 2010
Name: Shinichi SOEJIMA	
2) Ken Kribuch:	August 81, 2010
Name: Ken KOIBUCHI	
) Mirotada Otako	August 31. 2010
Name: Hirotada OTAKE	·
)_ Keurske Kawai	September 8, 2010
Name: Keisuke KAWAI	

PATENT REEL: 025311 FRAME: 0044

RECORDED: 11/22/2010