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Mail Stop: RF DEPARTMENT OF COMMERCE 03-24-2006 **Assignment Recordation Services** Patent and Trademark Office Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450 103204621 Attorney Docket No. 125497 Please record the attached original document or copy thereof. 1. A. Name of conveying party: 2. A. Name and address of receiving party: TOYOTA JIDOSHA KABUSHIKI KAISHA Shinichi SOEJIMA 1, TOYOTA-CHO TOYOTA-SHI, AICHI-KEN 471-8571 Additional name(s) of conveying party(ies) attached? JAPAN Yes No 3. A. Nature of conveyance: Additional name(s) & address(es) attached? ☐Yes 🛛 No Assignment \boxtimes Security Agreement ☐ Change of Name 10/562259 Other Execution Date: September 19, 2005 \boxtimes This document is being filed together with a new application. Patent Application No.(s) ___ Patent No.(s)_ Additional numbers attached? Yes No Title of Application: APPARATUS FOR ABNORMAL DIAGNOSIS OF VARIABLE VALVE TIMING **MECHANISM** Name and address of party to whom correspondence Total number of applications and patents involved: 1 concerning document should be mailed: Name: James A. Oliff Total fee (37 CFR 3.41).....\$ 40.00 B. Enclosed (Check No. 171607) Address: OLIFF & BERRIDGE, PLC Credit any overpayment or charge any underpayment to P.O. Box 19928 deposit account number 15-0461. Alexandria, VA 22320 10/14/2005|| GFREY1 00000069 10552252 Statement and signature. To the best of my knowledge and pelief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Date: October 5, 2005 James A. Oliff, Registration No. 27,075 Thomas J. Pardini, Registration No. 30,411 Total number of pages including cover sheet, attachments, and document: 2

PATENT

REEL: 017657 FRAME: 0768

PATENT APPLICATION ASSIGNMENT SOLE OR JOINT INVENTORS EXECUTED OUTSIDE U.S.A.

WHEREAS, I (We) Shinichi Soejima as assignor(s), have invented certain improvements in "APPARATUS FOR ABNORMAL DIAGNOSIS OF VARIABLE VALVE TIMING MECHANISM" for which an application for United States Letters patent has been executed by me (us) of even date herewith: and

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA of 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, I (We), as assignor(s), hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the for myself (ourselves) undersigned and ΜV (our) representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said inventions and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all other countries, the expenses incident to said applications to be borne and paid by said assignee.

The undersigned hereby grant(s) the law firm of OLIFF & BERRIDGE,

the No.	power	to	insert	here filed	in	parenthes	es	(Application) the filing
date	and app	licat	ion numb	er of s	aid ap	plication	when	known.
	_					_		
Date:	19/9/2005			A	Shinichi Loejima			
	(Day/Month/Year)			Sì	Shinichi Soejima			
Date								

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RECORDED: 10/05/2005

(Day/Month/Year)