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To the Assistant Commissioner for Patents: Please record the attached original document or copy thereof. Name and address of receiving party(ies): Name of conveying party(ies): TOYOTA JIDOSHA KABUSHIKI KAISHA Hideo NAGAOSA 1, TOYOTA-CHO, TOYOTA-SHI, Yoshihhito MORIYA Shinichiro KIKUOKA AICHI-KEN, 471-8571 JAPAN Shuuji NAKANO Additional name(s) of conveying party(ies) attached? ☐ Yes 🛛 No Additional name(s) & address(es) attached? Nature of conveyance: □Yes No Assignment Merger Ø Security Agreement Change of Name Other _ Execution Date: April 12, 1999 If this document is being filed together with a new application, the execution date of the application is: April 12,1 999 B. Patent Application No.(s) C. Patent No.(s) 351284 Additional numbers attached? ☐ Yes ☒ No 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 fec (37 CFR 3.41).....\$ 40 7. B. Enclosed (Check No. 101584) OLIFF & BERRIDGE, PLC Address: Credit any overpayment or charge any underpayment to P.O. Box 19928 deposit account number 15-0461. Alexandria, VA 22320 Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of Date: July 12, 1999 James A Oliff Registration No. 27,075 Carol L. Druzbick Registration No. 40,287 22/1999 DMGUYEN 00000032 09351284/ Total number of pages including cover sheet, attachments, and document: 2

ASSIGNMENT

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(1-0	Name(s) of	(3) <u>Sh</u>	inichiro	Kikuoka						
	Inventor(s)	(4) <u>Sh</u>	uuji Naka	no		(8)				
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(9)	Insert Name of Assignee	(9) T	OYOTA JIE	OSHA KABUS	HIKI KAI	SHA				
(10)	Insert Address of Assignee		, Toyota-	cho, Toyot	a-shi, A	ichi-ken.	471-857	 1 Japan		
										
		and in U.S.C. includ: reissue reexam: known a	(hereinafter designated as the Assignee) 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 divisions, continuations, substitutes, and reissues, and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as							
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Date A	April 12, 1999	Name of I	nventor	Hideo	hayar	ssa		(5	SEAL.)	
Date 2	April 12, 1999 April 12, 1999	Name of I	nventor	Yoslihito	moring	-a		(S	(FAT.)	
Date 2	oril 12, 1999	Name of I	nventor	Phinitia	J.K. W. D	oka Al	nichier Hi	kucha 15	(PAT.)	
Date A	April 12, 1999	Name of I	nventor	Shunn	hakano			(5	(PAI.)	
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