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To the Director of the United States Patent and 102896236. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Kazuyuki SHIIBA, Kunihiro IWATSUKI Name: TOYOTA JIDOSHA KABUSHIKI KAISHA Address: 1, Toyota-cho, Toyota-shi Aichi-ken 471-8571 Japan Additional name(s) of conveying party(ies) attached? \(\subseteq\) Yes \(\begin{align*}\) No Nature of Conveyance: Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name □ Other Execution Date: November 11, 2004 Additional name(s) and address(es) attached?

Yes
No 4. Application number(s) or patent number(s): This document is being filed together with a new application A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Customer Number Enclosed 22850 ☐ Authorized to be charged to deposit account Tel. (703) 413-3000 8. Deposit account number: 15-0030 Fax. (703) 413-2220 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. 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 the original document. Steven P. Weihrouch Name of Person Signing Registration Number 21,124 Registration Number: 32,829 Total number of pages including this cover sheet: 3 Do not detach this portion Mail documents to be recorded with required cover sheet information to: Director of the United States Patent and Trademark Office **Mail Stop Assignment Recordation Services** Alexandria, Virginia. 22313 12/01/2004 EAREGAY1 00000042 10998558 02 FC:8021 40.00 BP

Assignment of Application

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	WHEREAS, I (WE)	Kazuyuki SHIIBA of Susono-	-shi, Shizuoka-ken,	Japan		
SERT NAMES ID RESIDENCE		Kunihiro IWATSUKI of Toy	ota-shí, Aichi-ken,	Japan		
DRESS OF E INVENTORS						
				_		
						_, respectively,
SERT TITLE INVENTION		ew and useful improvements in:				
	FOR A VEHICLE					
SERT DATE IN- ENTORS SIGNED ECLARATION	for which an application for Letters Patent was executed on					
SERT NAME ND ADDRESS OF DMPANY OR THER ASSIGNEE	(Application No.		, filed), and
	WHEREAS,_TOYOTA JIDOSHA KABUSHIKI KAISHA					
	(hereinafter referred to	as "ASSIGNEE") having a plac	e of business at: 1	, Toyota-cho	, Toyota-shi, A	ichi-ken,
	471-8571 Japan					

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

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Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which 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.

Date: November 11, 2004	(Signature of Inventor) Kaznyuki SHIIBA
Date:	(Signature of Inventor) Kunihiro IWATSUKI
Date: November 11, 2004	(Signature of Inventor) Kunihiro IWATSUKI
Date:	(Signature of Inventor)
Date:	
	(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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RECORDED: 11/30/2004

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