Mail Stop: Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450 06-26-2009

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

& CTG

103565182

		Attorney Docket No. 141261							
Please record the attached original document or copy thereof.									
1.	A. Name of conveying parties:	2. A. Name and address of receiving party:							
	[1] Naoto MORIYA[2] Yoshio HASEGAWA[3] Nobufusa KOBAYASHI	TOYOTA JIDOSHA KABUSHIKI KAISHA 1, TOYOTA-CHO TOYOTA-SHI AICHI-KEN, 471-8571 JAPAN							
	B. Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No								
3.	A. Nature of conveyance:	B. Additional name(s) & address(es) attached? ☐Yes ☒ No							
	B. Execution Date: [All] June 4, 2009								
4.	This document is being filed together with a new applica	ation.							
	A. Patent Application No.(s)	B. Patent No.(s)							
	Additional numbers atta	l ached? ☐ Yes ☒ No							
	C. Title of Application: CONTROL DEVICE AND C	CONTROL METHOD FOR VEHICLE							
5.	Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1							
	Name: James A. Oliff	7. A. Total fee (37 CFR 3.41)\$ 40.00 B. Enclosed (Check No. 219038)							
	Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850	Credit any overpayment or charge any underpayment to deposit account number 15-0461.							
9.	James A. Oliff Registration No. 27,075	nation is true and correct and any attached copy is a true copy of 06/25/2009 NJAMA1 00000040 12457436 01 FC:8021 40.00 0f Date: June 10, 2009							

PATENT REEL: 022883 FRAME: 0416

ASSIGNMENT

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or (12) Insert Date of Signing of Application (13) Alternative (13) U.S. application Serial Number Identification for filed applications filed June 10 2009 1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary. 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee. 5) Each undersigned authorizes and requests the Director of Patents to issue any and all Letters Patents of the United States resulting from said explications to the said Assignee. as Assignee of the entire interest, and covenants that he has full right to convey the entire interest.			(1)	Naoto MORIYA	(5)				
of Javentor(s) (4) (4) (4) (5) Inconsider silon of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, treasfer and set over to assign and the sum of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, treasfer and set over to assign and the sum of the su	(1-8)		(2)	Yoshio HASEGAWA	(6)				
In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the materiagued, each understagued agrees to assign, and hereby does assign, transfer and set over to Assignee (16) Insert Address of Assignee (17) Insert Address of Assignee (19) Insert			(3)	Nobufusa KOBAYASHI	(7)				
to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to over to over to over to over to over to a hardgare and a ha			(4)		(8)	<u> </u>			
(10) Insert Address of (10) Insert Address of (10) Inspect of (10) Insert Address of (10) I	In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer								
Assignee (10) 1, Toyota-chi, Alchi-ken, 471-871 Japan (hereinafter designated as the Assignee) and Assignee's bein, successors, assigns and legal representatives, the entire sight, title and interest for the United States of America as defined in 35 U.S. C. 2100, in the divisional, continuation, substitute, and release application(c), and all Latters Patent, extensions, reissues and recognition certificates that may be greated on the invention of the invention of the invention of the invention of the invention on even date herewith or one was date herewith or one was date herewith or illed application for filled applications filled June 10 2009 1) Bach undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or eleissue applications for the invention, and any patent (c) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary. Supplications and patents as the Assignee any deem necessary in connection with any application and any continuing, divisional or eleissue applications for the invention, and any patent or release application store the invention, and any patent or release application that the invention or advantage of the supplication for the invention, and any patent or release application that the favore convert way possible in obtaining end encessary. 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with any the patent of a validation of the third states present to a validation of t	(9)	Assignee Insert Address of	(9)	TOYOTA JIDOSHA KABUSH	IKI KAISHA				
the entire right, filte and interest for the United States of America as defended in 35 U.S. (\$100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and recannication certificates that may be gurated on the invention known as reissues and recannication certificates that may be gurated on the invention known as such as Title, Case Nember, or Foreign Application Number (Attorney Docket No. 141261 DOCUMERGI, METHOD FOR VEHICLE (Attorney Docket No. 141261 DOCUMERGI, METHOD FOR VEHICLE (It) Insert Date of Signing of (12) on [All I] June 4 2009 (It) Insert Date of Signing of (13) U.S. application Serial Number (Identification for filed June 10 2009 (I) Bach undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patentic plessing thereon, and also to execute separate assignments in connection with auch application or continuation or division thereof, or any patent or reissue application between the content of the state of the invention, and any patentification or provisional or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assigned in every way possible in obtaining revidence and going forward with such interference which may be declared concerning any applications of the historians of t	(10)		(10)	(10) 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan					
Identification such as Title, Case Namber, or Foreign Application Number (Attorney Docket No. 141261 for which the undensigned has (have) executed an application for patent in the United States of America on even date herewith or [12] Insert Date of Signing of Application (13) U.S. application Serial Number Identification for filed applications (13) U.S. application Serial Number Identification for filed applications (14) Alternative (15) U.S. application Serial Number Identification for filed application and any continuing, divisional or reciseus applications for the forwarding, and any patent(s) assuing thereon, and also to execute separate assignments in connection with autopaplications and patents as the Assignee may deem necessary. (2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent of reissue application based thereon, for the invention, and on the Assignee in every way possible in obtaining evidence and going forward with such interference. (3) Each undersigned agrees to execute all papers nacessary in connection with any interference which may be necessary in connection with such interference. (5) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convenion for Protection of Industrial Property or similar agreements. (4) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convenion for Protection of Industrial Property or similar agreements. (5) Each undersigned duffined States patent to the Assigner. (6) Each undersigned authorizes and requests the Director of Protection of Industrial Property or anial Latters Patents of the United States resulting from said applications (t) to the source source, any agreements to loss of any a			(hereinafter designated as the Assignce) and Assignce's heirs, successors, assigns and legal representatives, 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 provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions,						
Number, or Foreign Application Number for which the undersigned has (lawe) executed an application for patent in the United States of America on even date herewith or (12) Insert Date of Signing of Application (13) Alternative Identification for filed applications (14) I. S. application Serial Number Identification for filed applications (15) Alternative Identification for filed applications (16) June 10 2009 1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with auch applications and patents as the Assignee may deem necessary in connection with any interference which may be declared concerning any application or continuous degrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuous degrees to execute all papers are not reissue applications set thereon, for the invention, and any optimizing evidence and going forward with such interference. A) Each undersigned agrees to exercite all papers and documents and perform any act which may be necessary in connection with (a) Each undersigned agrees to exercite all papers and documents and perform any act which may be necessary in connection with (b) Each undersigned agrees to experion all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexemination a great of a valid United States patent to the Assignee. (5) Each undersigned authorizes and requests the Director of Patents to issue any and all Letters Patents of the United States resulting from said application(b) to the said Assignee, as Assignee of the entire interest, and covenants that the has full right to convey the entire loterest bioling on him and this heir, successors, assigns and legal representatives. (6) Each undersigned hereby grants the firm of Outer & Berandee, Pict the	(11)		(11)	CONTROL DEVICE AND	CONTROL ME	THOD FOR VEHICL	<u>E</u>		
(12) Insert Date of Signing of Application (12) on [A11] June 4 2009 (13) Alternative Identification for flied June 10 2009 (14) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or recissue applications and patents as the Assignee may deem necessary for connection with any application and any continuing, divisional or recissue applications for the invention, and any patents (s) issuing thereon, and also to execute superards assignments in a connection with such applications for the invention, and any patents (s) issuing thereon, and also to execute superards assignments in a connection with such application for the invention, and any patents of the patents of the patents of the connection with any interference which may be declared connecting any application or continuations or division thereofy, or any patents or recovered with the connection or continuations or division thereofy, or any patents or recovered the interference which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. 4) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. 5) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by relissue or recumination a grant of a valid United States patent to the Assigne. 5) Each undersigned authorizes and requests the Director of Patents to Issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignees as Assignee of the entire interest, and convenants that he sall right to convey the entire interest berein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on t		such as Title, Case Number, or Foreign	for wh	(Attorney Docket No. 141261) for which the undersigned has (have) executed an application for patent in the United States of America					
Signing of Application (13) Alternative (13) U.S. application Serial Number Identification for filed applications filed June 10 2009 1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or retissue applications for the invention, and any patents of lises in the property of th									
Identification for filed applications filed June 10 2009 1) Each undersigned agroes to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary. 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. 4) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. 4) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary to obtain, maintain or confirm by reissue or rexamination a grant of a valid United States present to the Assigned and the International Convention of Protection of Patents to obtain, maintain or confirm by reissue or rexamination a grant of a valid United States present to the Assigned and the bas full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives. 6) Each undersigned hereby grants the firm of Oller & Berrardock, Plc the power to insert on this assignment any further identification th	(12)	Signing of	(12)	on [A11] June 4	2009				
Identification for filed applications filed June 10 2009 1) Each undersigned agroes to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary. 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. 4) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. 4) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary to obtain, maintain or confirm by reissue or rexamination a grant of a valid United States present to the Assigned and the International Convention of Protection of Patents to obtain, maintain or confirm by reissue or rexamination a grant of a valid United States present to the Assigned and the bas full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives. 6) Each undersigned hereby grants the firm of Oller & Berrardock, Plc the power to insert on this assignment any further identification th	(13)	Alternative	(13)	U.S. application Serial Number					
reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary. 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee. 5) Each undersigned authorizes and requests the Director of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest, and covenants that he has full right to convey the entire interest, and covenants that he has full right to convey the entire interest. 5) Each undersigned and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigna and legal representatives. 6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that 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. In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).									
Date June 4, 2009 Inventor Signature (SEAL) Date Inventor Signature (SEAL) Date Inventor Signature (SEAL) Date Inventor Signature (SEAL) Date Inventor Signature (SEAL) This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here: Date June 4, 2009 Witness Inventor Signature (SEAL)	the Assi, claims of reexamination said from said herein as binding identified	dication or continuation or dividence in every way possible in 3) Each undersigned agrees reprovisions of the Internation 4) Each undersigned agrees that it is a grant of a valid Unit 5) Each undersigned author displication (a) to the said A seigned, and that he has not e on him and his heirs, success 6) Each undersigned hereby ation that may be necessary to of this document.	vision the obtaining to executed States and ssignee, executed for a signee, executed for a signee or desiral transfer desiral	ereof, or any patent or reissue apping evidence and going forward witte all papers and documents and vention for Protection of Industriation and affirmative acts which may spatent to the Assignee. I requests the Director of Patents is as Assignee of the entire interest, and will not execute, any agreeming and legal representatives. The firm of OLIFF & BERRIDGE, Puble in order to comply with the runger of the side of the result of the part of the side of the	lication based ther th such interference perform any act what I Property or similal be necessary to ob- to issue any and all and covenants that ents in conflict her LC the power to in- les of the United S	eon, for the invention, and is, and is, and is, and is agreements. It is a confirm to take the first patents of the Unite the has full right to convey rewith, and agrees that this sert on this assignment any tates Patent and Trademark igned name(s).	to cooperate with nnection with oy reissue or ad States resulting the entire interest assignment is		
Date June 4, 2009 Inventor Signature Inventor Signature Inventor Signature Inventor Signature Inventor Signature (SEAL) Date Inventor Signature (SEAL) Date Inventor Signature (SEAL) Date Inventor Signature (SEAL) Date Inventor Signature (SEAL) This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here: Date June 4, 2009 Witness Inventor Signature (SEAL)	Date	June 4, 2009		Inventor Signature	nosto	marya	(SEAL)		
Date June 4, 2009 Inventor Signature Robuston Krbayashi (SEAL) Date Inventor Signature (SEAL) This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here: Date June 4, 2009 Witness Array Clashii	•				Tookno	Kanganer	(SEAL)		
Date Inventor Signature (SEAL) This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here: Date June 4, 2009 Witness A to This assignment should be signed before at least two witnesses who also sign here:				Inventor Signature	nobelina	Kobayashi	(SEAL)		
Date Inventor Signature (SEAL) Date Inventor Signature (SEAL) Date Inventor Signature (SEAL) This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here: Date June 4, 2009 Witness Privaguk Claffic				Inventor Signature			(SEAL)		
Date Inventor Signature (SEAL) Date Inventor Signature (SEAL) Date Inventor Signature (SEAL) This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here: Date June 4, 2009 Witness A to This assignment should be signed before at least two witnesses who also sign here:							(SEAL)		
Date Inventor Signature (SEAL) This assignment should preferably be signed before: (a) a Notery Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here: Date June 4, 2009 Witness Arroyuki Clshii	_			w . C?					
This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here: Date June 4, 2009 Witness Jarroguka Claffic				×			(SEAL)		
Date June 4, 2009 Witness June 4, 2009 Witness June 4, 2009	Date			Inventor Signature					
Date June 4, 2009 Witness Principles Communication Date June 4, 2009 Witness Principles Communication Witness Principles Communication Date June 4, 2009	neither,	This assignment should pret then it should be signed before	ferably l ore at lea	ist two mituesses who area sign no					
Date June 4, 2009 Witness /on oyaki Munyame	Date	June 4, 2009		Witness _	14vrojus	2 cum			
	Date	June 4, 2009		Witness _	1 on oyak	Maryane			

RECORDED: 06/10/2009

PATENT REEL: 022883 FRAME: 0417