Director of the U.S. Patent and Trademark Office **Box Assignments** Washington, D.C. 20231



07-05-2001



101767603

RITMENT OF COMMERCE Patent and Trademark Office

		Entre Services	Docket No. 109269			
	Te	o the Director of the U.S. Patent and Trademark Office:	Please record the attached original document or copy thereof.			
1.	A.	Name of conveying parties: Kazushi HOSOMI Akira NAGAE	2. A. Name and address of receiving party: TOYOTA JIDOSHA KABUSHIKI KAISHA 1, TOYOTA-CHO, TOYOTA-SHI, AICHI-KEN, 471-8571 JAPAN			
	В.	Additional name(s) of conveying party(ies) attacked? ☐ Yes ☒ No				
3.	A.	Nature of conveyance:	B. Additional name(s) & address(es) attached? ☐Yes ☒ No			
	\boxtimes	Assignment				
		Security Agreement				
		Other	9 - 0)			
	B.	Execution Date: June 8, 2001	09/885738			
4.	. A. If this document is being filed together with a new application, the execution date of the application is: <u>June 8, 20</u>					
	В.	Patent Application No.(s)	C. Patent No.(s)			
		Additional numbers at	tached? Yes No			
5.		ne and address of party to whom correspondence cerning document should be mailed:	6. Total number of applications and patents involved: 1			
	Na	nme: James A. Oliff	7. A. Total fee (37 CFR 3.41)\$ 40.00			
			B. Enclosed (Check No. 120216)			
	Ac	ddress: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, VA 22320	Credit any overpayment or charge any underpayment to deposit account number 15-0461.			
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.					
			Date: June 22, 2001			
		nes A. Oliff, Registration No. 27,075 hard S. Elias, Registration No. P-48,806 Total number of pages	including cover sheet, attachments, and document: 2			
1		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				

ASSIGNMENT

(1-8)		(1)	Kazushi Hosomi (5)	
(1-8)	Insert Name(s) of Inventor(s)	(2)	Akira Nagae (6)	
		(3)	(7)	
		(4)	(8)	
		each (In consideration of the sum of one dollar (\$1.00) and other good and valuable of the undersigned, each undersigned agrees to assign, and hereby does assign.	
(9)	Insert Name of Assignee	(9)	TOYOTA JIDOSHA KABUSHIKI KAISHA	
(10)	Insert Address of			
	Assignee	(10)	1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan	
		entire inven contii	nafter designated as the Assignee) and Assignee's heirs, successors, assigns and right, title and interest for the United States of America as defined in 35 U. tion, and in all applications for patent including any and all provisional, non-mutation, substitute, and reissue application(s), and all Letters Patent, extensionination certificates that may be granted on the invention known as	.S.C. \$100, in the -provisional, divisional,
(11)	Insert	(+1)	VEHICLE TRACTION CONTROL APPARATUS AND ME	THOD OF
	Identification such as Title, Case Number, or Foreign Application Number		TRACTION CONTROL	
			100070	
		,		
			nich the undersigned has (have) executed an application for patent in the Unit date herewith or	ted States of America on
(12)	Insert Date of Signing of Application	(12)	on June 8, 2001	
(13)	Alternative	(13)	U.S. application Serial Number	
(15)	Identification for			
	filed applications	filed	June 22, 2001	
	ions for the invention, and a	any paten em neces		with such applications
and pate applicat Assigne or provi reexami resultin interest is bindi	ions for the invention, and a ents as the Assignee may det 2) Each undersigned agree- tion or continuation or divis e in every way possible in of 3) Each undersigned agree- sions of the International Cot 4) Each undersigned agree- nation a grant of a valid Un 5) Each undersigned auth- g from said application(s) to therein assigned, and that he ing on him and his heirs, suc 6) Each undersigned herel- y be necessary or desirable i	any paten em neces es to exec- tion therein bit aining es to exec- convention es to perf- tited State orizes and the said thas not exessors.	t(s) issuing thereon, and also to execute separate assignments in connection sary. ute all papers necessary in connection with any interference which may be of, or any patent or reissue application based thereon, for the invention, and evidence and going forward with such interference, ate all papers and documents and perform any act which may be necessary in for Protection of Industrial Property or similar agreements. form all affirmative acts which may be necessary to obtain, maintain or conf	with such applications declared concerning any to cooperate with the connection with claims frm by reissue or of the United States ight to convey the entire rees that this assignment any further identification
and pate applicat Assigne or provi reexami resultin interest is bindi that ma	ions for the invention, and a ents as the Assignee may de 2) Each undersigned agree- ion or continuation or divis- e in every way possible in o 3) Each undersigned agree- sions of the International Co 4) Each undersigned agree- nation a grant of a valid Un 5) Each undersigned author g from said application(s) to herein assigned, and that be- ing on him and his heirs, suc 6) Each undersigned herel- y be necessary or desirable int.	any paten em neces es to exec- ion there- obtaining es to exec- convention es to perfaited State orizes and to the said e has not a cressors.	t(s) issuing thereon, and also to execute separate assignments in connection sary. ute all papers necessary in connection with any interference which may be of, or any patent or reissue application based thereon, for the invention, and evidence and going forward with such interference, are all papers and documents and perform any act which may be necessary in a for Protection of Industrial Property or similar agreements, orm all affirmative acts which may be necessary to obtain, maintain or confirst patent to the Assignee. I requests the Commissioner of Patents to issue any and all Letters Patents of Assignee, as Assignee of the entire interest, and covenants that he has full respectively, and will not execute, any agreements in conflict herewith, and agrassigns and legal representatives. the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment a	with such applications declared concerning any to cooperate with the connection with claims frm by reissue or of the United States ight to convey the entire rees that this assignment any further identification
and pate applicat Assigne or provi reexami resultin interest is bindi that ma	ions for the invention, and a ents as the Assignee may de 2) Each undersigned agree- ion or continuation or divis- e in every way possible in o 3) Each undersigned agree- sions of the International Co 4) Each undersigned agree- nation a grant of a valid Un 5) Each undersigned author g from said application(s) to herein assigned, and that be- ing on him and his heirs, suc 6) Each undersigned herel- y be necessary or desirable int.	any paten em neces es to exec- ion there- obtaining es to exec- convention es to perfaited State orizes and to the said e has not a cressors.	t(s) issuing thereon, and also to execute separate assignments in connection sary. ute all papers necessary in connection with any interference which may be of, or any patent or reissue application based thereon, for the invention, and evidence and going forward with such interference. It can be all papers and documents and perform any act which may be necessary in a for Protection of Industrial Property or similar agreements. Form all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirmatives to the Assignee. I requests the Commissioner of Patents to issue any and all Letters Patents of Assignee, as Assignee of the entire interest, and covenants that he has full may be accusted, and will not execute, any agreements in conflict herewith, and agrassing and legal representatives. The firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment as a comply with the rules of the United States Patent and Trademark Office for the undersigned on the date(s) opposite the undersigned name(s).	with such applications declared concerning any to cooperate with the a connection with claims firm by reissue or of the United States ight to convey the entire rees that this assignment any further identification or recordation of this
and pate applicat Assigned or proving reexaminate resulting interest is bindifferent that man documents.	ions for the invention, and a ents as the Assignee may de 2) Each undersigned agree ion or continuation or divise in every way possible in o. 3) Each undersigned agree sions of the International Ct. 4) Each undersigned agree nation a grant of a valid Un. 5) Each undersigned author gfrom said application(s) to herein assigned, and that he ng on him and his heirs, suc. 6) Each undersigned hereby be necessary or desirable int. In witness whereof, executive 10 to 10	any paten em neces es to exec- ion there- obtaining es to exec- convention es to perf- ited State- orizes and the said e has not a cressors. a by grants in order to	t(s) issuing thereon, and also to execute separate assignments in connection sary. ute all papers necessary in connection with any interference which may be of, or any patent or reissue application based thereon, for the invention, and evidence and going forward with such interference. It can be all papers and documents and perform any act which may be necessary in a for Protection of Industrial Property or similar agreements. Form all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirmatives to the Assignee. I requests the Commissioner of Patents to issue any and all Letters Patents of Assignee, as Assignee of the entire interest, and covenants that he has full may be accusted, and will not execute, any agreements in conflict herewith, and agrassing and legal representatives. The firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment as a comply with the rules of the United States Patent and Trademark Office for the undersigned on the date(s) opposite the undersigned name(s).	with such applications declared concerning any to cooperate with the aconnection with claims from by reissue or of the United States ight to convey the entire rees that this assignment any further identification or recordation of this
and pate applicate Assigner or proving reexaminate resulting interest is binding that man document.	ions for the invention, and a ents as the Assignee may de 2). Each undersigned agreeion or continuation or divise in every way possible in o. 3). Each undersigned agreesions of the International Co. 4). Each undersigned agreemation a grant of a valid Un. 5). Each undersigned author grown said application(s) to therein assigned, and that he agon him and his heirs, suc. 6). Each undersigned hereby he necessary or desirable int. In witness whereof, executive 8, 2001 June 8, 2001	any paten em neces es to exec- ion there- obtaining es to exec- convention es to perf- ited State- orizes and the said e has not a cressors.	t(s) issuing thereon, and also to execute separate assignments in connection sary. ute all papers necessary in connection with any interference which may be of, or any patent or reissue application based thereon, for the invention, and evidence and going forward with such interference. ate all papers and documents and perform any act which may be necessary in for Protection of Industrial Property or similar agreements. Form all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirm patent to the Assignee. I requests the Commissioner of Patents to issue any and all Letters Patents of Assignee, as Assignee of the entire interest, and covenants that he has full reexecuted, and will not execute, any agreements in conflict herewith, and agrassigns and legal representatives. The firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment as a comply with the rules of the United States Patent and Trademark Office for the undersigned on the date(s) opposite the undersigned name(s). Inventor Signature Inventor Signature Inventor Signature Inventor Signature	with such applications declared concerning any to cooperate with the aconnection with claims from by reissue or of the United States ight to convey the entire rees that this assignment any further identification or recordation of this
and pate applicat Assigne or provi reexami resultin interest is bindi that ma docume Date Date Date	ions for the invention, and a ents as the Assignee may de 2) Each undersigned agree ion or continuation or divisitie in every way possible in of 3) Each undersigned agree sions of the International Ct 4) Each undersigned agree nation a grant of a valid Un 5) Each undersigned author gfrom said application(s) to herein assigned, and that he ing on him and his heirs, suc 6) Each undersigned herein y be necessary or desirable int. In witness whereof, executive 10 mg and 10 m	any paten em neces es to exec- tion thereon braining es to exec- convention es to perf- tited State- orizes and the said has not a exessors. a by grants in order to	t(s) issuing thereon, and also to execute separate assignments in connection sary. ute all papers necessary in connection with any interference which may be of, or any patent or reissue application based thereon, for the invention, and evidence and going forward with such interference. It can be papers and documents and perform any act which may be necessary in a for Protection of Industrial Property or similar agreements. Form all affirmative acts which may be necessary to obtain, maintain or confiss patent to the Assignee. I requests the Commissioner of Patents to issue any and all Letters Patents of Assignee, as Assignee of the entire interest, and covenants that he has full respectived, and will not execute, any agreements in conflict herewith, and agrassigns and legal representatives. The firm of OLIFE & BERRIDGE, PLC the power to insert on this assignment as a comply with the rules of the United States Patent and Trademark Office for the undersigned on the date(s) opposite the undersigned name(s). Inventor Signature Inventor Signature Inventor Signature	with such applications declared concerning any to cooperate with the a connection with claims firm by reissue or of the United States ight to convey the entire rees that this assignment any further identification or recordation of this (SEAL) (SEAL)
and pate applicat Assigne or provi reexami resultin interest is bindi that ma docume Date Date Date Date	ions for the invention, and a ents as the Assignee may de 2). Each undersigned agree ion or continuation or divise in every way possible in o. 3). Each undersigned agree sions of the International Co. 4). Each undersigned agree nation a grant of a valid Un. 5). Each undersigned author grown said application(s) to herein assigned, and that he ing on him and his heirs, suc. 6). Each undersigned hereby be necessary or desirable int. In witness whereof, executive and the second of the s	any paten em neces es to exec- ion there- obtaining es to exec- convention es to perf- ited State- orizes and the said e has not a cressors. a by grants in order to	t(s) issuing thereon, and also to execute separate assignments in connection sary. ute all papers necessary in connection with any interference which may be of, or any patent or reissue application based thereon, for the invention, and evidence and going forward with such interference. It call papers and documents and perform any act which may be necessary in for Protection of Industrial Property or similar agreements. Form all affirmative acts which may be necessary to obtain, maintain or confict spatent to the Assignee. I requests the Commissioner of Patents to issue any and all Letters Patents of Assignee, as Assignee of the entire interest, and covenants that he has full resecuted, and will not execute, any agreements in conflict herewith, and agrassigns and legal representatives. The firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment a comply with the rules of the United States Patent and Trademark Office for the undersigned on the date(s) opposite the undersigned name(s). Inventor Signature Inventor Signature Inventor Signature Inventor Signature Inventor Signature	with such applications declared concerning any to cooperate with the connection with claims from by reissue or of the United States ight to convey the entire rees that this assignment my further identification or recordation of this (SEAL) (SEAL) (SEAL) (SEAL)
and pate applicat Assigne or provi reexami resultin interest is bindi that ma docume Date Date Date Date Date	ions for the invention, and a ents as the Assignee may det 2). Each undersigned agreetion or continuation or divis is in every way possible in of 3). Each undersigned agreesions of the International Co. 4). Each undersigned agreemation a grant of a valid Un 5). Each undersigned author grown said application(s) to therein assigned, and that he may on him and his heirs, suc 6). Each undersigned hereiny be necessary or desirable int. In witness whereof, executive and the said application of the said applica	any paten em neces es to exec ion theree botaining es to exec onvention es to perf ited State orizes and the said has not exessors. by grants in order to	t(s) issuing thereon, and also to execute separate assignments in connection sary. ute all papers necessary in connection with any interference which may be of, or any patent or reissue application based thereon, for the invention, and evidence and going forward with such interference. ate all papers and documents and perform any act which may be necessary in a for Protection of Industrial Property or similar agreements. Form all affirmative acts which may be necessary to obtain, maintain or confiss patent to the Assignee. I requests the Commissioner of Patents to issue any and all Letters Patents of Assignee, as Assignee of the entire interest, and covenants that he has full researched, and will not execute, any agreements in conflict herewith, and agrassigns and legal representatives. The firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment a comply with the rules of the United States Patent and Trademark Office for the undersigned on the date(s) opposite the undersigned name(s). Inventor Signature	with such applications declared concerning any to cooperate with the connection with claims from by reissue or of the United States ight to convey the entire rees that this assignment any further identification or recordation of this (SEAL) (SEAL) (SEAL) (SEAL)
and pate applicat Assigne or provi reexami resultin interest is bindi that ma docume Date Date Date Date Date Date	ions for the invention, and a ents as the Assignee may de 2). Each undersigned agree ion or continuation or divise in every way possible in o 3). Each undersigned agree sions of the International Co 4). Each undersigned agree nation a grant of a valid Un 5). Each undersigned author grown said application(s) to herein assigned, and that he neg on him and his heirs, suc 6). Each undersigned herely be necessary or desirable int. In witness whereof, executive 8, 2001 June 8, 2001	any paten em neces es to exec ion there ebtaining es to exec onvention es to perf ited State orizes and the said e has not eccessors. ey grants in order to	t(s) issuing thereon, and also to execute separate assignments in connection sary. ute all papers necessary in connection with any interference which may be of, or any patent or reissue application based thereon, for the invention, and evidence and going forward with such interference. It call papers and documents and perform any act which may be necessary in for Protection of Industrial Property or similar agreements. Form all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirm all affirmative acts which may be necessary to obtain, maintain or confirmative and affirmative acts which may be necessary to obtain, maintain or confirmative acts which may be necessary to obtain, maintain or confirmative acts which may be necessary to obtain, maintain or confirmative acts which may be necessary to obtain, maintain or confirmative acts which may be necessary to obtain, maintain or confirmative acts which may be necessary to obtain, maintain or confirmative acts which may be necessary to obtain, maintain or confirmative acts which may be necessary to obtain, maintain or confirmative acts which may be necessary to obtain, maintain or confirmative acts which may be necessary to obtain, maintain or confirmative acts which may be necessary to obtain, maintain or con	with such applications declared concerning any to cooperate with the connection with claims from by reissue or of the United States ight to convey the entire ces that this assignment any further identification or recordation of this (SEAL) (SEAL) (SEAL) (SEAL) (SEAL) (SEAL)
and pate applicat Assigne or provi reexami resultin interest is bindi that ma docume Date Date Date Date Date Date Date	ions for the invention, and a ents as the Assignee may det 2). Each undersigned agreetion or continuation or divis is ein every way possible in of 3). Each undersigned agreesions of the International Co. 4). Each undersigned agreemation a grant of a valid Un 5). Each undersigned author from said application(s) to the from said application(s) to the from said application and that he may on him and his heirs, such the encessary or desirable int. In witness whereof, executive. June 8, 2001 June 8, 2001	any paten em neces es to exec ion theree braining es to exec onvention es to perf ited State orizes and the said has not exessors. by grants in order to	t(s) issuing thereon, and also to execute separate assignments in connection sary. ute all papers necessary in connection with any interference which may be of, or any patent or reissue application based thereon, for the invention, and evidence and going forward with such interference. ate all papers and documents and perform any act which may be necessary in for Protection of Industrial Property or similar agreements. Form all affirmative acts which may be necessary to obtain, maintain or confiss patent to the Assignee. I requests the Commissioner of Patents to issue any and all Letters Patents of Assignee, as Assignee of the entire interest, and covenants that he has full reexecuted, and will not execute, any agreements in conflict herewith, and agressigns and legal representatives. The firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment as a comply with the rules of the United States Patent and Trademark Office for the undersigned on the date(s) opposite the undersigned name(s). Inventor Signature	with such applications declared concerning any to cooperate with the a connection with claims firm by reissue or of the United States ight to convey the entire rees that this assignment any further identification or recordation of this (SEAL) (SEAL) (SEAL) (SEAL) (SEAL) (SEAL) (SEAL) (SEAL)
and pate applicat Assigne or provi reexami resultin interest is bindi that ma docume Date Date Date Date Date Date	ions for the invention, and a ents as the Assignee may de 2). Each undersigned agree ion or continuation or divise in every way possible in o 3). Each undersigned agree sions of the International Cc 4). Each undersigned agree nation a grant of a valid Un 5). Each undersigned author from said application(s) to herein assigned, and that he neg on him and his heirs, suc 6). Each undersigned herely he necessary or desirable int. In witness whereof, executive 8, 2001 June 8, 2001 June 8, 2001	any paten em neces es to exec ion there obtaining es to exec onvention es to perf ited State orizes and othe said e has not ecessors. ey grants in order to	t(s) issuing thereon, and also to execute separate assignments in connection sary. ute all papers necessary in connection with any interference which may be of, or any patent or reissue application based thereon, for the invention, and evidence and going forward with such interference. It call papers and documents and perform any act which may be necessary in for Protection of Industrial Property or similar agreements. Form all affirmative acts which may be necessary to obtain, maintain or confiss patent to the Assignee. I requests the Commissioner of Patents to issue any and all Letters Patents of Assignee, as Assignee of the entire interest, and covenants that he has full referenced, and will not execute, any agreements in conflict herewith, and agressigns and legal representatives. The firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment a comply with the rules of the United States Patent and Trademark Office for the undersigned on the date(s) opposite the undersigned name(s). Inventor Signature	with such applications declared concerning any to cooperate with the connection with claims from by reissue or of the United States ight to convey the entire ces that this assignment any further identification or recordation of this (SEAL)
and pate applicat Assigne or provi reexami resultin interest is bindi that ma docume Date Date Date Date Date Date Date Da	ions for the invention, and a ents as the Assignee may de 2). Each undersigned agree ion or continuation or divise in every way possible in o. 3). Each undersigned agree sions of the International Co. 4). Each undersigned agree nation a grant of a valid Un. 5). Each undersigned author from said application(s) to herein assigned, and that he neg on him and his heirs, suc. 6). Each undersigned hereby he necessary or desirable int. In witness whereof, execution. June 8, 2001 June 8, 2001 This assignment should promise as the entry of the en	any paten em neces es to exec ion there obtaining es to exec onvention es to perf ited State orizes and the said thas not excessors. The properties of the said that not excessor the	t(s) issuing thereon, and also to execute separate assignments in connection sary. ute all papers necessary in connection with any interference which may be of, or any patent or reissue application based thereon, for the invention, and evidence and going forward with such interference. ate all papers and documents and perform any act which may be necessary in for Protection of Industrial Property or similar agreements. Form all affirmative acts which may be necessary to obtain, maintain or confiss patent to the Assignee. I requests the Commissioner of Patents to issue any and all Letters Patents of Assignee, as Assignee of the entire interest, and covenants that he has full reexecuted, and will not execute, any agreements in conflict herewith, and agressigns and legal representatives. The firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment as a comply with the rules of the United States Patent and Trademark Office for the undersigned on the date(s) opposite the undersigned name(s). Inventor Signature	with such applications declared concerning any to cooperate with the connection with claims from by reissue or of the United States ight to convey the entire ces that this assignment any further identification or recordation of this (SEAL)
and pate applicat Assigne or provi reexami resultin interest is bindi that ma docume Date Date Date Date Date Date Date Da	ions for the invention, and a ents as the Assignee may de 2). Each undersigned agree ion or continuation or divise in every way possible in o 3). Each undersigned agree sions of the International Cc 4). Each undersigned agree nation a grant of a valid Un 5). Each undersigned author gfrom said application(s) to herein assigned, and that he neg on him and his heirs, suc 6). Each undersigned herely be necessary or desirable int. In witness whereof, execution. June 8, 2001 June 8, 2001 This assignment should prothen it should be signed be.	any paten em neces es to exec ion there obtaining es to exec onvention es to perf ited State orizes and the said thas not excessors. The properties of the said that not excessor the	t(s) issuing thereon, and also to execute separate assignments in connection sary. ute all papers necessary in connection with any interference which may be of, or any patent or reissue application based thereon, for the invention, and evidence and going forward with such interference. It call papers and documents and perform any act which may be necessary in for Protection of Industrial Property or similar agreements. If or Protection of Industrial Property or similar agreements or mail affirmative acts which may be necessary to obtain, maintain or confict spatent to the Assignee. I requests the Commissioner of Patents to issue any and all Letters Patents of Assignee, as Assignee of the entire interest, and covenants that he has full executed, and will not execute, any agreements in conflict herewith, and agressigns and legal representatives. The firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment as a comply with the rules of the United States Patent and Trademark Office for the undersigned on the date(s) opposite the undersigned name(s). Inventor Signature	with such applications declared concerning any to cooperate with the a connection with claims firm by reissue or of the United States ight to convey the entire rees that this assignment any further identification or recordation of this (SEAL)

RECORDED: 06/22/2001

PATENT REEL: 011938 FRAME: 0650