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

RECORDATION FORM

02-09-2001



T

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

		10161040	Attorney Docket No. <u>107853</u>				
	To		Please record the attached original document or copy thereof.				
1.	Α.	Name of conveying parties: Toshifumi TAKAOKA Katsuhiko HIROSE	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) attached? ☐ Yes ☒ No					
3.	A.	Nature of conveyance:	B. Additional name(s) & address(es) attached? ☐ Yes ☒ No				
	\boxtimes	Assignment					
		Security Agreement					
		Other					
	B.	Execution Date: <u>January 18, 2001</u>	126/270100				
4.	A.	If this document is being filed together with a new appl	ication, the execution date of the application is: <u>January 18, 2001</u>				
	В.	Patent Application No.(s)	C. Patent No.(s)				
		Additional numbers atta	ached? 🔲 Yes 🖾 No				
5.	Nam	ne and address of party to whom correspondence cerning document should be mailed:	6. Total number of applications and patents involved: 1				
	Na	nne: James A. Oliff	7. A. Total fee (37 CFR 3.41)\$ 40.00				
			B. Enclosed (Check No. 115835)				
	Ao	ddress: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, VA 22320	Credit any overpayment or charge any underpayment to deposit account number 15-0461.				
H H							
9.	St To	atement and signature. of the best of my kyrowledge and belief, the foregoing inforce original document.	mation is true and correct and any attached copy is a true copy of				
		//01//	Date: <u>January 29, 2001</u>				
	Ja	arnes A. Oliff Registration No. 27,075 tephen P. Catlin Registration No. 36,101					
	3	Total number of page	es including cover sheet, attachments, and document: 2				

PATENT REEL: 011494 FRAME: 0638

A !	22	K	N	M	\mathbf{E}	VT

(1-8)	-		
	Insert	(2) Katsuhiko Hirose (6)	
	Name(s) of Inventor(s)	(3)(7)	
		(4) (8)	
		In consideration of the sum of one dollar (\$1.00) and other good and valuable considera each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer a to	tion paid to
(9)	Insert Name of	(0) A POVOTA HIDOULA VARIOUNI VAIGUA	
(10)	Assignee Insert Address of	(9) <u>c/o TOYOTA JIDOSHA KABUSHIKI KAISHA</u>	
	Assignee	(10) 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan	
		(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal represe entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, i invention, and in all applications for patent including any and all provisional, non-provisional continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues reexamination certificates that may be granted on the invention known as	n the , divisional,
(11)	Insert Identification	(II) POWER OUTPUT APPARATUS AND CONTROL METHOD THERECO	F
	such as Title, Case Number, or Foreign Application Number	(Attorney Docket No. 107853)
		for which the undersigned has (have) executed an application for patent in the United States of even date herewith or	America on
(12)	Insert Date of Signing of Application	(12) on	
(13)	Alternative	(13) U.S. application Serial Number	
,	Identification for filed applications	filed January 29, 2001 ses to execute all papers necessary in connection with any application and any continuing, divisions and any continuing of the content of the conte	
Assigned	ion or continuation or divis e in every way possible in c 3) Each undersigned agree	eem necessary. Less to execute all papers necessary in connection with any interference which may be declared consistent of the invention, and to cooperate obtaining evidence and going forward with such interference. Less to execute all papers and documents and perform any act which may be necessary in connection convention for Protection of Industrial Property or similar agreements.	
reexami resulting interest	sions of the International C 4) Each undersigned agreenation a grant of a valid Ur 5) Each undersigned auth g from said application(s) therein assigned, and that h ng on him and his heirs, su 6) Each undersigned here y be necessary or desirable	east to perform all animative acts when they content stay to perform all animative acts when they are the states patent to the Assignee. In the content of Patents to issue any and all Letters Patents of the United to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convert to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convert to the said Assignee, as a said and agrees that this net executed, and will not execute, any agreements in conflict herewith, and agrees that this necessors, assigns and legal representatives. The provided Hermond States are to insert on this assignment any further its provided that the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further its provided to comply with the rules of the United States Patent and Trademark Office for recordations in order to comply with the rules of the United States Patent and Trademark Office for recordations.	le or I States by the entire assignment
recxami: resulting interest is binding that ma	sions of the International C 4) Each undersigned agreenation a grant of a valid Ur 5) Each undersigned auth g from said application(s) therein assigned, and that h ng on him and his heirs, su 6) Each undersigned here y be necessary or desirable	inited States patent to the Assignee. horizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to converte the said Assignee, as Assignee of the entire interest, and covenants that he has full right to converte the said Assignee, as Assignee of the entire interest, and covenants that he has full right to converte has not executed, and will not execute, any agreements in conflict herewith, and agrees that this accessors, assigns and legal representatives. The proof of the United States Patent and Trademark Office for recordation or the converted on the date(s) opposite the undersigned name(s).	le or I States ey the entire assignment lentification on of this
resulting interest is binding that man docume	sions of the International C 4) Each undersigned agre nation a grant of a valid Ur 5) Each undersigned auth g from said application(s) t herein assigned, and that h ng on him and his heirs, su 6) Each undersigned here y be necessary or desirable ent. In witness whereof, exe	inited States patent to the Assignee. horizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convete the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convete the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convete the has not executed, and will not execute, any agreements in conflict herewith, and agrees that this accessors, assigns and legal representatives. Level of the United States Patent on this assignment any further its in order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for rec	I States by the entire assignment dentification on of this
resulting interest is binding that ma docume	sions of the International C 4) Each undersigned agreenation a grant of a valid Ur 5) Each undersigned auth g from said application(s) therein assigned, and that has on him and his heirs, su 6) Each undersigned here y be necessary or desirable ent. In witness whereof, executable controls.	inited States patent to the Assignee. horizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convice the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convice has not executed, and will not execute, any agreements in conflict herewith, and agrees that this accessors, assigns and legal representatives. Bell The Patents of the United States Patent on this assignment any further its in order to comply with the rules of the United States Patent and Trademark Office for recordation are in order to comply with the rules of the United States Patent and Trademark Office for recordation and the United States Patent and Trademark Office for recordation are undersigned on the date(s) opposite the undersigned name(s). Inventor Signature	I States by the entire assignment dentification on of this (SEAL)
resulting interest is bindir that ma docume	sions of the International C 4) Each undersigned agree nation a grant of a valid Un 5) Each undersigned auth g from said application(s) therein assigned, and that he ng on him and his heirs, su 6) Each undersigned here y be necessary or desirable ent. In witness whereof, execution with the series of the s	inited States patent to the Assignee. horizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convert to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convert to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convert to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convert to the said Assignee that this accessors, assigns and legal representatives. BERRIDGE, PLC the power to insert on this assignment any further its converted to comply with the rules of the United States Patent and Trademark Office for recordation order to comply with the rules of the United States Patent and Trademark Office for recordation order to comply with the rules of the United States Patent and Trademark Office for recordation or the undersigned on the date(s) opposite the undersigned name(s). Inventor Signature Inventor Signature	I States ey the entire assignment dentification on of this (SEAL) (SEAL)
resulting interest is bindir that ma docume Date Date Date	sions of the International C 4) Each undersigned agree nation a grant of a valid Un 5) Each undersigned auth g from said application(s) therein assigned, and that he gon him and his heirs, su 6) Each undersigned here y be necessary or desirable and. In witness whereof, execution with the said application of the said and that he said and the said and	inited States patent to the Assignee. Inventor Signature	I States by the entire assignment dentification on of this (SEAL) (SEAL) (SEAL) (SEAL)
resulting interest is bindir that ma docume	sions of the International C 4) Each undersigned agree nation a grant of a valid Un 5) Each undersigned auth g from said application(s) therein assigned, and that his no nhim and his heirs, su 6) Each undersigned here y be necessary or desirable ent. In witness whereof, execution with the series and the series are t	inited States patent to the Assignee. horizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convert to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convert to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convert to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convert to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convert to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convert to the said Assignee, as Assignee, a	I States by the entire assignment dentification on of this (SEAL) (SEAL) (SEAL) (SEAL)
resulting interest is bindin that ma docume Date Date Date	sions of the International C 4) Each undersigned agreenation a grant of a valid Un 5) Each undersigned auth g from said application(s) therein assigned, and that h ng on him and his heirs, su 6) Each undersigned here y be necessary or desirable ant. In witness whereof, execution January 18, 20 January 18, 20	inited States patent to the Assignee. horizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convice the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convice the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convice the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convice the has not executed, and will not execute, any agreements in conflict herewith, and agrees that this accessors, assigns and legal representatives. BERRIDGE, PLC the power to insert on this assignment any further in order to comply with the rules of the United States Patent and Trademark Office for recordation are in order to comply with the rules of the United States Patent and Trademark Office for recordation are undersigned on the date(s) opposite the undersigned name(s). But the United States Patent and Trademark Office for recordation are undersigned name(s). But the United States Patent and Trademark Office for recordation are undersigned name(s). But the United States Patent and Trademark Office for recordation are undersigned name(s). But the United States Patent and Trademark Office for recordation are undersigned name(s).	I States by the entire assignment dentification of this (SEAL) (SEAL) (SEAL) (SEAL) (SEAL) (SEAL)
resulting interest is bindir that ma docume Date Date Date Date Date	sions of the International C 4) Each undersigned agreenation a grant of a valid Un 5) Each undersigned auth g from said application(s) therein assigned, and that has on him and his heirs, su 6) Each undersigned here year or desirable ent. In witness whereof, execution with the second	inited States patent to the Assignee. horizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to converte has not executed, and will not execute, any agreements in conflict herewith, and agrees that this accessors, assigns and legal representatives. The power to insert on this assignment any further it is in order to comply with the rules of the United States Patent and Trademark Office for recordation order to comply with the rules of the United States Patent and Trademark Office for recordation order to comply with the rules of the United States Patent and Trademark Office for recordation or the undersigned on the date(s) opposite the undersigned name(s). Inventor Signature	I States ey the entire assignment dentification on of this (SEAL) (SEAL) (SEAL) (SEAL) (SEAL) (SEAL)
resulting interest is bindin that madocume Date Date Date Date Date Date	sions of the International C 4) Each undersigned agree nation a grant of a valid Un 5) Each undersigned auth g from said application(s) therein assigned, and that hing on him and his heirs, su 6) Each undersigned here y be necessary or desirable ent. In witness whereof, execution with the series whereof, execution and the series whereof, execution witness whereof, execution and the series whereof, execution witness whereof, execution are series whereof, execution witness whereof, execution are series whereof, execution witness whereof, execution are series whereof, execution witness wit	inited States patent to the Assignee. horizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convene has not executed, and will not execute, any agreements in conflict herewith, and agrees that this accessors, assigns and legal representatives. eby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further in order to comply with the rules of the United States Patent and Trademark Office for recordation order to comply with the rules of the United States Patent and Trademark Office for recordation or the undersigned on the date(s) opposite the undersigned name(s). Inventor Signature	I States by the entire assignment dentification on of this (SEAL) (SEAL) (SEAL) (SEAL) (SEAL) (SEAL) (SEAL)
recxamination resulting interest is binding that man docume the document that man do	sions of the International C 4) Each undersigned agree nation a grant of a valid Un 5) Each undersigned auth g from said application(s) therein assigned, and that his non him and his heirs, su 6) Each undersigned here y be necessary or desirable ent. In witness whereof, execution with the said application of the said and the	inited States patent to the Assignee. horizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convene has not executed, and will not execute, any agreements in conflict herewith, and agrees that this accessors, assigns and legal representatives. eby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further it is in order to comply with the rules of the United States Patent and Trademark Office for recordation are in order to comply with the rules of the United States Patent and Trademark Office for recordation are undersigned on the date(s) opposite the undersigned name(s). Inventor Signature	I States by the entire assignment dentification of this (SEAL)
recxaminate resulting interest is binding that man docume that man document that man docum	sions of the International C 4) Each undersigned agree nation a grant of a valid Un 5) Each undersigned auth g from said application(s) therein assigned, and that hing on him and his heirs, su 6) Each undersigned here y be necessary or desirable ent. In witness whereof, execution with the said and that his heirs, su January 18, 20 January 18, 20	inited States patent to the Assignee. horizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convice the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convice has not executed, and will not execute, any agreements in conflict herewith, and agrees that this accessors, assigns and legal representatives. Beth grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further it is in order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the rules of the United States Patent and Trademark Office for recordation or order to comply with the United States Patent and Trademark Office for recordation or order to comply united States Patent and Trademark Office for recordation or order to comply united States Patent and Trademark Office for recordation or order to comply united States Patent and Trademark Office for recordation or order to comply united States Patent and Trademark Office for recordation or order to comply united States Patent and Trademark Office for r	I States by the entire assignment dentification of this (SEAL) the U.S.A.
resulting interest is bindin that ma docume Date Date Date Date Date Date Date Dat	sions of the International C 4) Each undersigned agree nation a grant of a valid Un 5) Each undersigned auth gfrom said application(s) therein assigned, and that his no him and his heirs, su 6) Each undersigned here yet necessary or desirable and. In witness whereof, executary 18, 20 January 18, 20 January 18, 20 This assignment should be signed assigned to the necessary of the necessary	inited States patent to the Assignee. horizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convice the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convice has not executed, and will not execute, any agreements in conflict herewith, and agrees that this increasors, assigns and legal representatives. Be provided by the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further is in order to comply with the rules of the United States Patent and Trademark Office for recordation are increased by the undersigned on the date(s) opposite the undersigned name(s). Inventor Signature	I States by the entire assignment dentification on of this (SEAL) (SEAL) (SEAL) (SEAL) (SEAL) (SEAL) (SEAL) (SEAL) (SEAL) the U.S.A.

RECORDED: 01/29/2001

PATENT REEL: 011494 FRAME: 0639