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U.S. PTO 12662882 051010

(1) Takeshi AOKI (2) Subrata SAHA B. Additional name(s) of conveying party(ies) attached?	_					Attorney Docket No. 145047
(1) Takeshi AOKI (2) Subrata SAHA B. Additional name(s) of conveying party(ies) attached? Yes No A. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other B. Execution Date: BOTH: April 13, 2010 This document is being filed together with a new application. A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? Yes No C. Title of Application: ELECTRIC MOTOR DRIVE CONTROL APPARATUS Name and address of party to whom correspondence concerning document should be mailed: Name: James A. Oliff Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850 8. Credit any overpayment or charge any underpayment to			Please record the attached orig	inal o	locum	ent or copy thereof.
10, TAKANE, FUJII-CHO ANJO-SHI, AICHI-KEN 444-1192, JAPAN B. Additional name(s) of conveying party(ies) attached?		A.	Name of conveying parties:	2.	A.	Name and address of receiving party:
B. Additional name(s) of conveying party(ies) attached? Yes No			(1) Takeshi AOKI			10, TAKANE, FUJII-CHO
Yes No Yes No Yes No Yes No Yes No Yes Ye			(2) Subrata SAHA			
Assignment		В.	Additional name(s) of conveying party(ies) attached? Yes No		В.	
Change of Name Other B. Execution Date: BOTH: April 13, 2010 4. ☑ This document is being filed together with a new application. A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? ☐ Yes ☒ No C. Title of Application: ELECTRIC MOTOR DRIVE CONTROL APPARATUS 5. Name and address of party to whom correspondence concerning document should be mailed: Name: James A. Oliff Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850 8. Credit any overpayment or charge any underpayment to	3.	Α.	Nature of conveyance:			
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4. ☑ This document is being filed together with a new application. A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? ☐ Yes ☒ No C. Title of Application: ELECTRIC MOTOR DRIVE CONTROL APPARATUS 5. Name and address of party to whom correspondence concerning document should be mailed: Name: James A. Oliff 6. Total number of applications and patents involved: 1 7. A. Total fee (37 CFR 3.41)\$ 40.00 B. Enclosed (Check No. 228968) B. Enclosed (Check No. 228968) 8. Credit any overpayment or charge any underpayment to			Other			
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Alexandria, VA 22320-4850 8. Credit any overpayment or charge any underpayment to		Address: OLIFF & BERRIDGE, PLC				Enclosed (Check No. 228968)
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the original document.						95/18/2010 MJAMA1 00000019 12662882 D81e:F.Mago 10, 2010
85/18/2010 MJAMA1 00000019 126628A		-	nes A. Oliff, Registration No. 27,075			40.

			AS	SIGNME	NT		
		(1)	Takeshi AOKI		(5)	·	·
(1-8)	Insert	(2)	Subrata S∧H∧				
	Name(s) of Inventor(s)	(3)					
		(4)					
		to each	in consideration of of the undersigned	the sum of on	e dollar (\$1.00) and	other good and valuab gn, and hereby does as:	ale consideration paid
(9)	Insert Name of Assignce	(9)	AISIN AW CO., I	TO			
(10)	Insert Address of				. Aichi-ken, 444-11		
(U)	Inscrt	the ent inventi continu extensi	re right, title and int on, and in all applic ation, international, ons, reissues and rec	terest for the t ations for pate confirmation examination of	Inited States of Amer on including any and substitute and reissa ertificates that may be	successors, assigns and rica as defined in 35 U.; all provisional, non-pro- provisional, and all e granted on the inventi	S.C. §100, in the ovisional, divisional, ll Letters Patent, ion known as
,	Identification	(11)					
	such as Title, Case Number, or Foreign		ELECTRIC MOT	OR DRIVE C	ONTROL APPARA	TUS	
	Application Number	(Alton	ney Docket No	145047			>
			ich the undersigned a data herewith or	has (have) e	ecuted an application	on for patent in the Uni	ited States of America
12)	Insert Date of Signing of Application			13, 2010)		
(13)	Alternative	(13)	U.S. application S	erial Number			
,	ldentification for filed applications	filed	May 10,	0010			
he Ass laims cexam Patents full righ and agr	2) Each undersigned agreedlication or continuation or clignee in every way possible 3) Each undersigned agree or provisions of the Internation a grant of a valid Until Each undersigned author the United States resulting to convey the entire interests that this assignment is 6) Each undersigned here cation that muy be necessary	livision the in obtaining to executional Converse to perforited States and ag from sainst herein a sinding on by grants t	ereof, or any putent ag evidence and gointe all papers and do ention for Protection all affirmative a patent to the Assig requests the Comm d application(s) to ssigned, and that him and his heirs, se the firm of OLIFF &	or reissue apping forward wo coments and on of Industricts which magnetissioner of the the said Assign that not except the said Assign that the said Assign	plication based there ith such interference perform any act while Property or similarly be necessary to obtain the U.S. Patent and Trance, as Assignee of sated, and will not exigns and legal represent the power to ins	con, for the invention, and the may be necessary in agreements. In agreements. In ademark Office to issue the entire interest, and accute, any agreements sentatives. ert on this assignment	and to cooperate with an connection with the series or see any and all Letters a covenants that he has a in conflict herewith, any further
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PATENT REEL: 024406 FRAME: 0956 ASSIGNMENT

		(1)	Takeshi AOKI	(5	5)				
(1-8)	Insert Name(s) of Inventor(s)	(2)	Subrata SAHA	(6	5)				
		(3)			")				
		(4)		(8					
		In consideration 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, transfer and set over to							
(9)	Insert Name of Assignee	(0)	AIRDI AW CO LT	'n					
(10)	Insert Address of Assignee	(9) AISIN AW CO., LTD.							
	Assignee	(10) 10, Takane, Fujii-cho, Anjo-shi, Aichi-ken, 444-1192, Japan (hereinafter designated as the Assignee) and Assignee'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, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as							
(11)	Insert Identification	(11)							
	such as Title, Case Number, or Foreign			R DRIVE CONTROL A	PPARATUS				
	Application Number	-		15047)			
(15)	N		ich the undersigned h n date herewith or	as (have) executed an ap	plication for patent in the United	States of America			
(12)	Insert Date of Signing of	(12)	on <u>April l</u>	3, 2010					
	Application								
(13)	Alternative Identification for	(13)	U.S. application Ser	ial Number					
	filed applications	filed	May 10,	2010					
application application application applications of reexamined applications of the second application and agree identifications.	ons and patents as the Assign 2) Each undersigned agrees ication or continuation or diversion of the continuation or diversion of the control of this document.	to execu- ision the obtaining to execu- nal Convito perform to perform said from said herein and ding on grants to resiral	deem necessary. Ite all papers necessar ereof, or any patent of gevidence and going Ite all papers and does rention for Protection rm all affirmative act patent to the Assigni- requests the Commis- d application(s) to the ssigned, and that he le him and his heirs, such he firm of OLIFF & E pole in order to comply	y in connection with any reissue application base forward with such inter uments and perform any of Industrial Property or s which may be necessar; ic. sioner of the U.S. Patent e said Assignee, as Assignas not executed, and will ecessors, assigns and legal exercises. P.C. the power with the rules of the University o	not which may be necessary in co similar agreements. y to obtain, maintain or confirm be and Trademark Office to issue an the confirmation of the cutire interest, and covid not execute, any agreements in call representatives, reconstruction this assignment any ited States Patent and Trademark	red concerning to cooperate with mnection with ry reissue or ry and all Letters renants that he has conflict herewith,			
	In witness whereof, execute	•		- 1	- 0'+				
Date	april 13, 20			ignature <u>Jako</u>		(SEAL)			
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	This assignment should prefit then it should be signed befor		t two witnesses who	also sign here:	he U.S.A. (b) a U.S. Consul if our				
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PATENT REEL: 024406 FRAME: 0957

RECORDED: 05/10/2010