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Alexa	andria, VA 22313-1450		Att	torney Docket No.	<u>157823</u>
	e record the attached document. number of pages including cover she	et, attachments, and docume	ent: 2		
1. /	A. Name of conveying parties: [1] Susumu KATO [2] Shigeru MAEDA	A DATA	AISII 10, T	d address of receivi N AW CO., L AKANE, FUJ D-SHI, AICH	ТD. Ш-СНО,
	[3] Takeshi YOKOYA [4] Takuya OOURA [5] Motoki KOORI		444-1	192, JAPAN al name(s) & addre	ss(es) attached?
		g party(ies) attached? ☐ Yes ☑ No			7es ⊠ No
_	A. Nature of conveyance: Assignment Security Agreement	Merger Change of Name			
1	Dother	26, 2013;			
4. 4	A. Patent Application No. 13/98	31,102 Additional numbers attack	B. Patent No	`,	
,	C. Title of Application: MANU	IC MOTOR RO	<u>ror</u>		
	Name and address of party to whom concerning document should be maile		6. Total number	of applications and	patents involved: 1
	Name: James A. Oliff Address: OLIFF & BERRIDGE, P.O. Box 320856	PLC			count No. 15-0461 the ne amount of \$40.00.
	Alexandria, VA 2232 Phone Number: 703-83 Fax Number: 703-836 Email: email@oliff.	0-4850 36-6400 6-2787		erpayment or charge at number 15-0461.	any underpayment to
	Statement and signature. To the best of my knowledge and belie original document			nd any attached cop July 23, 2013	py is a true copy of the
	James A. Oliff, Registration No. 27,0 John A. Radi, Registration No. 59,34:		-		

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ASSIGNMENT

	Insert	(1)	Susumu KATO	(2)	Shigoru MAEDA					
(1-8).	Name(s)	(3)	Takeshi YOKOYAMA	(4)	Takuya OOURA					
	of Inventor(s)	(5)	Motoki KOORI	(6)		_				
		(7)	<u> </u>	(8)						
	In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agree assign, and hereby does assign, transfer and set over to									
(9)	Insert Name of Assignee	(9)	AISIN AW CO., LTD.							
(10)	Insert Address of Assignee	(10)	10, Takane, Fujii-cho, Anjo-shi, Aichi-ken, 444-1192, JAPAN							
		the entire invent	(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 auch as Title, Case Number, or Foreign	(11)	Manufacturing Method for							
	Application Number	(Λποι	ney Docket No. 157823							
		for w	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	event	ate nerewith or							
	of Application	(12)	on							
(13)	Alternative	(13)	U.S. Application Number		13/981,102					
, 200)	Identification for	(,			13/701,102					
	filed applications	filed	July 23, 2013		e e e					
deims of the control	erference, 3) Each undersigned agree or provisions of the Internation 4) Each undersigned agree nation a grant of a valid Uni 5) Each undersigned author any and all patents resulting if to convey the entire interes cos that this assignment is bi 6) Each undersigned here cation that may be necessary licen of this document.	es to execute to perfect State orizes and from sai at herein anding on by grants or desira	ute all papers and documents and pyrention for Protection of Industrial form all affirmative acts which may agrent to the Assignee. I requests the Commissioner of the dapplication(s) to the said Assigne assigned, and that he has not execute for firm of Oller & EKRIDGE. Place in the firm of Oller & EKRIDGE.	perform any act Property or sin be necessary to U.S. Patent and e, as Assigned ted, and will no cessors, assigns LC the power to as of the United	obtain, maintain or confirm by fessue or i Trademark Office and other issuing authoriti of the entire interest, and covenants that he had t execute, any agreement(s) in conflict herewith and legal representatives, o insert on this assignment any further States Patent and Trademark Office for	ÇS S				
	Access whereon, execu	eca by ii 0 / 국	Inventor Signature	8	umu Hate (SEAL)	,				
Date	June 26.20	7.3		She	Sem marda (SEAL)					
Date	June 26.20		Inventor Signature Inventor Signature	Tale	shi Yokovama (SEAL)					
Date Date	June 25. 2013	·	Inventor Signature	Takur						
Date	-		Inventor Signature	Hote						
Date			Inventor Signature		(SEAL)	,				
Onte			Inventor Signature	.,,	(SEAL)	į				
Date			Inventor Signature		(SEAL)	ļ				
neither,	This assignment should pre	eferably b	e signed before: (a) a Notary Publi- st two witnesses who also sign here	ç (f`within the \	J.S.A. (b) a U.S. Consul if outside the U.S.A,	If				
Date	_									
Date										

PATENT REEL: 030892 FRAME: 0368