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03-13-2006



	1031962	Attornov Doolest No. 1272 CF					
		inal document or copy thereof.					
1.	A. Name of conveying party:	2. A. Name and address of receiving party:					
	Shinya MIYAKE B. Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	DENSO CORPORATION 1-1, SHOWA-CHO KARIYA-CITY, AICHI-PREF. 448-8661 JAPAN					
3.	A. Nature of conveyance: Assignment	B. Additional name(s) & address(es) attached? ☐Yes ☑ No					
4.	This document is being filed together with a new applica A. Patent Application No.(s)	B. Patent No.(s)					
	Additional numbers attached?						
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					
13/2006 BYRN	E 00000201 11368376	B. Enclosed (Check No. <u>177363</u>)					
FC:8021	Address: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, VA 22320	8. 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 informathe original document. James A. Oliff Registration No. 27,075 Jesse O. Collier Registration No. 53,839	ntion is true and correct and any attached copy is a true copy of Date: March 7, 2006					

PATENT REEL: 017640 FRAME: 0518

			92618-US
		- ASSIGNMENT	43-05217·
		(1) Shinya MIYAKE (5)	
1-8)	Insert	(2)	
	Name(s) of Inventor(s)	(3)(7)	
		(4)(8)	
9)	Insert Name of Assignee	In consideration of the sum of one dollar (\$1.00) and other good and paid to each of the undersigned, each undersigned agrees to assign, and hereby do set over to (9) DENSO CORPORATION	
10)	Insert Address of Assignee	(10) 1-1, Showa-cho, Kariya-city, Aichi-pref. 448-8661 Japan	
		(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and the entire right, title and interest for the United States of America as defined in 35 invention, and in all applications for patent including any and all provisional, non-divisional, continuation, substitute, and reissue application(s), and all Letters Patereissues and reexamination certificates that may be granted on the invention know	U.S.C. §100, in the provisional, nt, extensions,
11)	Insert	(11) STARTER WITH INTERMEDIATE GEAR	
	Identification		

such as Title. Case Number, or Foreign Application Number (Attorney Docket No. 127265 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 (12)January 27, 2006 on Application

(13)Alternative (13)U.S. application Serial Number Identification for

March 7, 2006 filed applications filed

Jan 27 2006

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 Commissioner of the U.S. Patent and Trademark Office 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 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 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	Jan. 27, 2006	Inventor Signature	Shinya Miyako Shinya Miyako	(SEAL)
Date		Inventor Signature _		(SEAL)
Date		Inventor Signature _		(SEAL)
Date		Inventor Signature	/ 1812	(SEAL)
	This assignment should preferably be sig er, then it should be signed before at least Twx. 7.7 2066	two witnesses who also sign h		outside the U.S.A.
Date	162. 7.1 206h	Witness	1 12 . 1 / South	

ASSIGNMENT

		(1)	Shinya MIYAKE	(5)	
(1-8)	Insert	(2)		(6)	
	Name(s) of Inventor(s)	(3)	<u>*</u>		
		(4)	·	(8)	
		•	In consideration of the seach of the undersigned, each	um of one dollar (\$1.00) and other g undersigned agrees to assign, and h	good and valuable consideration
(9)	Insert Name of Assignee	(9)	DENSO CORPORATION		
(10)	Insert Address of	• • •	1-1, Showa-cho, Kariya-city,	Aishi === £ 448 9661 Issue	
	Assignee	(10)	1-1, Snowa-cno, Kariya-city,	Alchi-prei. 448-8661 Japan	
		the ent inventi divisio	ire right, title and interest for t on, and in all applications for nal, continuation, substitute, a	ee) and Assignee's heirs, successors, as he United States of America as defin patent including any and all provision and reissue application(s), and all Let that may be granted on the invention	ned in 35 U.S.C. §100, in the onal, non-provisional, tters Patent, extensions,
(11)	Insert	(11)	STARTER WITH INT	ERMEDIATE GEAR	
` '	Identification				
	such as Title, Case Number, or Foreign Application Number	(Attorr	ney Docket No127265		
			ich the undersigned has (have) n date herewith or	executed an application for patent is	n the United States of America
(12)	Insert Date of	(10)			
	Signing of	(12) on	January 27,	2006	
	Application				
(13)	Alternative	(13) Numbe	U.S. application Serial		
	Identification for filed applications	filed	March 7, 2006		
applica any app the Ass claims reexam Patents full righ and agr	tions and patents as the Assig 2) Each undersigned agree olication or continuation or di- ignee in every way possible it 3) Each undersigned agree or provisions of the Internation 4) Each undersigned agree ination a grant of a valid Unit 5) Each undersigned auth of the United States resulting that to convey the entire interest ees that this assignment is bit 6) Each undersigned here	gnee may on the sto exectivision the nobtaining set of exectional Converses to perfect the States sorizes and g from said therein and ing on leby grants	deem necessary. The papers necessary in concrete, or any patent or reissue a gevidence and going forward ute all papers and documents a cention for Protection of Industry and all affirmative acts which patent to the Assignee. I requests the Commissioner of application(s) to the said Assigned, and that he has not expended and his heirs, successors, at the firm of OLIFF & BERRIDG	also to execute separate assignment nection with any interference which application based thereon, for the investion with such interference. Independent of the investigation of the investion of the investigation of the interference. In the U.S. Patent and Trademark Officiance, as Assignee of the entire interference, and will not execute, any agassigns and legal representatives. E, PLC the power to insert on this assurules of the United States Patent and	may be declared concerning vention, and to cooperate with eccessary in connection with a or confirm by reissue or ice to issue any and all Letters rest, and covenants that he has reements in conflict herewith, signment any further
٠	In witness whereof, execu	ted by the	undersigned on the date(s)	opposite the undersigned name(s).	
Date	Jan. 27, 200	o6	Inventor Signature	Shinya Miyak Shinya Miyake	(SEAL)
Date			Inventor Signature		(SEAL)
Date			Inventor Signature		(SEAL)
Date			Inventor Signature		(SEAL)
lf neith	This assignment should pre er, then it should be signed be	ferably be efore at lea	ast two witnesses who also sign	blic if within the U.S.A. (b) a U.S. (n here:	
Date	Jaz. 27, 201		Witness	Shinji Usan, Mitsuhiro Mu	1
Date	Jan 27, 200	6	Witness	mitsuhir Mu	ratir

PATENT REEL: 017640 FRAME: 0520

RECORDED: 03/07/2006