Form PTO-1595	U.S. DEPARTMENT OF COMMERCE	
1011533	Patent and Tallemark Office	
	TENTS ONLY	
	rks. Please record the attached original documents or copy thereof.	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)?	
Akira KURAGAKI, Shigeru SHIROYAMA	MITSUBISHI DENKI KABUSHIKI KAISHA	
	2-3, Marunouchi 2-chome, Chiyoda-ku,	
Additional name(a) of accounting marks(i.e.) starts 12	Tokyo 100-8310 JAPAN	
Additional name(s) of conveying party(ies) attached?	<b>E</b> 21.	
□ yes ☑ no	w <b>2</b>	
	330	
3. Nature of Conveyance:	200	
☑ Assignment ☐ Merger	Additional name(s) & address(es) attached?	
☐ Security Agreement ☐ Change of Names	☐ yes ☑ no	
☐ Other		
Execution Date: September 6, 1999 and September 7, 1999		
4. Application number(s) or patent number(s):	390455	
If this document is being filed together with a new applicatio	n, the execution date of the application is: September 6, 1999 and	
September 7, 1999  A. Patent Application No.(s)	B. Patent No.(s)	
	<i>D.</i> 1 atom 110.(3)	
Additional numbers attac	 hed? □ Yes ☑ No	
5. Name and address of party to whom correspondence	6. Total number of applications and egistration involved:	
concerning document should be mailed:		
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC	7. Total Fee (37 CFR 3.41): \$40.00	
2100 Pennsylvania Avenue, N.W.	☐ Enclosed. Please charge any underpayment in	
Suite 800 Washington, D.C. 20037-3213	connection with this Assignment to Deposit Account No. 19-4880.	
Washington, D.C. 20037-3213	Authorized to be charged to Deposit Account	
	8. Deposit Account No. 19-4880	
DO NOT WE		
9. Statement and Signature.	RITE IN THIS SPACE	
	nation is true and correct and any attached copy is a true copy of the	
original document.	.,	
1 10 11 -	Contourle # 15 1000	
Alan J. Kasper Reg. No.	September 15, 1999  25,426  Date	
2005.110	25,120	
TOTAL NUMBER OF PAGES COMPRISING O	COVER SHEET, ATTACHMENTS AND DOCUMENT: 2	
OMB No. 0651-0011 (exp. 4/94)		
Do not d	etach this portion	
Mail documents to be recorded with required cover sheet information to:		
Commissioner of Patents and Trademarks  Box Assignments		
	Washington, D.C. 20231	
17 431111	9,	

9/23/1999 NTHRI1 00000182 09396455

FC:581

**PATENT REEL: 010252 FRAME: 0245** 

## **ASSIGNMENT**

	Akira KURAGAKI and Shigeru SHIROYAMA	
ere	by sells, assigns and transfers to	
	MITSUBISHI DENKI KABUSHIKI KAISHA	
	of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN	
	einafter called the Assignee), its successors and assigns, the entire right, title, and test in and to:	
)	the application for United States Letters Patent entitled  ELECTRIC STARTER MOTOR	
	which was executed by the undersigned on the dates indicated below	
	or was filed on and accorded Serial No.	
	(hereinafter called the Application);	
)	any and all inventions and improvements which are described in the Application;	
i)	any and all United States Letters Patents which may be granted on the Application (hereinafter called Patent);	
v)	any and all divisions, continuations, substitutes, reexaminations, reissues, or extensions of the Application or Patent; and	
·)	all benefits under the International Convention for the Protection of Industrial Property.	
	Said Assignee of said patent application and the attorneys appointed to prosecute said nt application are authorized to insert in this instrument the filing date and serial ber of said application.	
aid	The Commissioner of Patents and Trademarks is authorized to issue any and all of Letters Patent, when granted, to said Assignee.	
aid	Further, it is agreed that, when requested, without charge to but at the expense of Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue nt applications; execute all additional assignments and other writings, including amination papers; and provide all reasonable assistance requested by the Assignee to	
ate:	re and maintain appropriate patent protection.	
ate: eex: ecu:	ENTOR(S):  DATE	
ate eex ecu		
ate eex ecu: NVE	ENTOR(S):  DATE  A A S A A A A A A A A A A A A A A A A	

PATENT
RECORDED: 09/15/1999 REEL: 010252 FRAME: 0246