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## IAP13 Rec'd PCT/PTO 24 MAY 2007 11/791470

Atty Docket No.: 309011US3PCT 05 - 31 -	2007
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<ol> <li>Satoru TAKAHASHI</li> <li>Ken-Ichi OKAMOTO</li> <li>Takaharu UEDA</li> <li>Masunori SHIBATA</li> <li>Additional name(s) of conveying party(ies) attached? ☐ Yes</li> </ol>	Name: MITSUBISHI ELECTRIC CORPORATION Address: 7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310, Japan
3. Nature of Conveyance:	
Assignment	
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4. Application number(s) or patent number(s):	
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5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents involved: 1
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> PATENT REEL: 019380 FRAME: 0584

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FPM-13486

## ASSIGNMENT 11/791470

:	In consideration of the sum of One Dollar (		
consi	<pre>deration, the receipt of which is hereby ackno Satoru TAKAHASHI, Ken-Ichi OK</pre>		
	Masunori SHIBATA	AMOTO, Takanatu OEDA and	
hereb	y sells, assigns and transfers to		
	MITSUBISHI ELECTRIC	CORDORATION	
	of 7-3, Marunouchi 2-chome, Chi		
in and			
(i)	the application for United States Letters Patent entitled		
	which was executed by the undersigned on		
	or was filed on March 20, 2006		
		(hereinafter called the Application);	
(ii)	any and all inventions and improvements when	nich are described in the Application;	
(iii)	any and all United States Letters Patents which may be granted on the Application (hereinafter called Patent);		
(iv)	any and all divisions, continuations, substitution of the Application or Patent; and	ites, reexaminations, reissues, or extensions	
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	Said Assignee of said patent application and application are authorized to insert in this in dapplication.		
Lettei	The Commissioner of Patents and Trademars Patent, when granted, to said Assignee.	rks is authorized to issue any and all of said	
applic paper	Further, it is agreed that, when requested, we nee, the undersigned will execute all division eations; execute all additional assignments and s; and provide all reasonable assistance reque priate patent protection.	al, continuing, substitute, or reissue patent dother writings, including reexamination	
INVE	NTOR(S):	DATE	
(Sat	oru TAKAHASHI) Satoru Jas	Cahashi April. 25. 2007	
(Ken	-Ichi OKAMOTO) Ker Oshi Okan	op April 27 2007	
(Tak	aharu UEDA) Takaham (	(sda April 23 3007	
	unori SHIBATA) Masunosi Shiba	ta April 23, 2007	

**RECORDED: 05/24/2007** 

PATENT REEL: 019380 FRAME: 0585