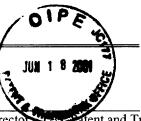
Form PTO-1595 1-31-92



06-21-2001



U.S. DEPARTMENT	OF COMMERCE
Patent and	Trademark Office

101	755688 original documents or copy thereof.		
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)?		
Izuru SHINJO, Hiroshi SAKANOUE, and Naoki HIRAOKA	MITSUBISHI DENKI KABUSHIKI KAISHA 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN		
Naoki HIRAOKA	2-5, Marunouchi 2-chome, Chiyoda-ku, TOKTO 100-8510 JAPAN		
Additional name(s) of conveying party(ies) attached?			
□ yes ☑ no			
, - — —			
3. Nature of Conveyance:			
☑ Assignment ☐ Merger			
☐ Security Agreement ☐ Change of Names			
☐ Other	Additional name(s) & address(es) attached?		
Execution Date: March 28, 2001, March 28, 2001, and March 30, 2001	□ yes ☑ no		
4. Application number(s) or patent number(s):			
If this document is being filed together with a new application, the execution date of the application is:			
A. Patent Application No.(s)/Confirmation No.(s) 09/801,190 /4097	B. Patent No.(s)		
Additional numbers attach	ned? Yes No		
5. Name and address of party to whom correspondence	6. Total number of applications and registration involved:		
concerning document should be mailed:	1		
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 connection with this Assignment to Deposit Account No. 19-4880.		
Suite 800	Connection with this Assignment to Deposit Account Authorized to be charged to Deposit Account		
Washington, D.C. 20037-3213	8. Deposit Account No.		
	8. Deposit Account No. 19-4880		
DO NOT WRITE IN THIS SPACE			
9. Statement and Signature.	nation is true and correct and any attached copy is a true copy of the		
9. Statement and Signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the			
original document.	June 18, 2001		
Reg. No.	21,092 Date		
Robert J. Seas, Jr.			
Robert J. Seas, Jr. TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2			
OMB No. 0651-0011 (exp. 4/94) Do not detach this portion			
Mail documents to be recorded with required cover sheet information to: Director – U.S. Patent and Trademark Office			
Re	ox Assignment		
Washington, D.C. 20231			

06/20/2001 DBYRNE 00000267 09801190

40.00 OP

01 FC:581

Assignment

Whereas, MITSUBISHI DENKI KABUSHIKI KAISHA, 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and I/we request the Commissioner for Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

Date:	March 28, 200/ s/Izuru SI	Izury Shinia			
	s/Izuru Sł	HINJO			
Date:	Mach 28, 2001	Hiroshi Sakanove			
	s/Hiroshi SAKANOUE				
Date:	March 30, 2001	Naoki Hiraoka			
	s/Naoki H	IIRAOKA			
Date:					
	s/				
Date:					
	s/				
Date:					
	s/				

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261) 8/92

PATENT
RECORDED: 06/18/2001 REEL: 011903 FRAME: 0411