10/433786 OT16 Rec'd PCT/PTO 06 JUN 2003

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Form PTO-1595     (Rev. 10/02)	500.42762X00   500.42762X00   200.3   U.S. DEPARTMENT OF COMMERCE	
OMB No. 0651-0027 (exp. 6/30/2005)	U.S. Patent and Trademark Office	
To the Honorable Commissioner of Pate		
1. Name of conveying party(ies): 102616	\$201 und double of receiving party(ies)	
	Name: HITACHI. LTD.	
OOTSUKA, FUMIO		
IKEDA, SHOSI	Street Address: 6, Kanda Surugadai 4-chome,	
ONAI, TAKAHIRO MIURA, HIDEO	Chiyoda-ku	
ICHINOSE, KATSUHIKO	City: Tokyo Country: Japan	
TAKEDA, TOSHIFUMI		
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Additional name(s) of conveying party(ies) attached?   Yes   No		
3. Nature of conveyance:	Additional name(s) & address(es) attached? ☐ Yes ☒ No	
☐ Assignment ☐ Merger	, , , , , ,	
☐ Security Agreement ☐ Change of Name		
☐ Other		
•		
Execution Date: February 19,24, and March		
-13.20.17.10.27.3. 2003.  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: March 19,24, and March		
13,20,17,10,27,3, 2003.		
A. Patent Application No.(s)	B. Patent Registration No.(s)	
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.1 160000148 <u>.0483786</u>		
49.00 BP		
Additional number(s) attached  Yes  No		
5. Name and address of party to whom correspondence	Fotal number of applications and patents involved	
concerning document should be mailed:	C. Total name of applications are parents involved [1]	
	7. Tabel 6 - 407 OFF 0 44)	
Name: Antonelli, Terry, Stout & Kraus, LLP	7. Total fee (37 CFR 3.41) \$40.00	
	⊠ Enclosed	
Internal Address:	☐ Authorized to be charged to deposit account	
	Additionized to be charged to deposit account	
1300 North Seventeenth Street Suite 1800	8. Danasit assault ausahasi	
Arlington, VA 22209	8. Deposit account number:	
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9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy		
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110m t		
Gregory E. Montone, Reg# 28,141 06/06/2003		
Name of Person Signing Signature Date		
Total number of pages including cover sheet, attachments, and document		

PATENT REEL: 014749 FRAME: 0962

## ASSIGNMENT

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by HITACHI, LTD., a corporation organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said HITACHI, LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

## SEMICONDUCTOR DEVICE

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said "HITACH!, LTD.

Signed on the date(s) indicated aside signatures:

INVENTOR(S)

INVENTOR(S)	Date Signed
(発明者フルネームサイン)	(署名日)
1) Yukihiro Kumagai	2/19/03
2) Kiroyahi Ohta	3/13/03
3) Junio Octor	3/20/03
4) Shini Uceda	3/17/03
5) Takahin Coo	3/10/03
6) Shiler Mina	3/27/2003
7) Katsuhiko Schinore	2/24/03
8) Toshifuri Takeda	03/03/2003
9)	·
O)	

PATENT REEL: 014749 FRAME: 0963

RECORDED: 06/06/2003