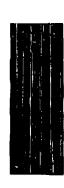
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			05		10292	150)7			Attorney Dack	et No	.: 83396.0006
		To the A	ssistant Co	mmissioner i	for Patents: Please r	cord	he attached ori	ginal docum	nents c	or copy there	eof.	
1.	Hiroaki Murakaml Shoji Onishi						2. Name and address of receiving party(ies): Toshiba America Electronic Components, Inc. 9775 Toledo Way Irvine, Callfornia 92518 U.S.A.					
Adc		Takahashi ame(s) of com	veving party	(ies) attached	? ☐ Yes ☒ No		International Bus	iness Ma c hir	nes Cor	ooration		ĺ
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No 3. Nature of conveyance:					New Orchard Road Armonk, New York 10504 U.S.A.							
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	Execution	recution Date: November 25, 2002										
4.	4. Application number(s) or patent number(s): 10/295,424 If this document is being filed together with a new application, the execution date of the application is:											
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5 .	Name and address of party to whom correspondence concerning document should be mailed:			dence concerning	6. Total number of applications and patents involved: (1]							
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9.	Stateme	ent and signat	ure									
•	9. Statement and signature. To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.											
						Date	: February 1,	2005				
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	LI,S. DEPARTMENT OF COMMERCE R Patent and Trademark Office					
10290	15998Attorney Docket No.: 83396.00(6					
To the Assistant Commissioner for Patents: Please re	ecord the attached original documents or copy thereof.					
1. Name of conveying parties: Hiroski Murskami, Shoji Onlahi, and Ossmu Takahasht Additional name(s) of conveying party(iss) attached? Yes No	Name and address of receiving party: Toubbe America Electronic Components, Inc. 9776 Toledo Way Irvine, California 92618 U.S.A.					
Socurity Agreement Change of Name Shoultty Agreement	International Suciness Machines Corporation New Circhard Road Amonic, New York 10504 U.S.A.					
Execution Dates: November 25, 2002	Additional name(s) & address(es) attached? Yes No					
4. Application number(s) or palent number(s): 10/358,805 If this document is being filed together with a frew application, the execution date of the application is: A. Patent Application No.(s) /0-359,805 B. Patent No.(s) Additional numbers attached? Yes No						
Name and address of party to whom correspondence concerning document should be mailed: Total number of applications and patents involved: 1						
Anthony J. Orler, Esq. HOGAN & HARTSON LLLP. 500 South Grand Avenue, Suite 1900 Los Angeles, CA 90971	7. Tubil fee (37 CFR 3.41) \$40.00 Enclosed Authorized to be charged to deposit account					
	8. Deposit account number: 46.00 paid					
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OMB No. 0551-0011 (exp. 474) Mail documents to be recorded with required cover sheat information to: Commissioner for Patents Box Assignment						
Washington						

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PATENT REEL: 016120 FRAME: 0294

Attorney Docket No. 83396.0006

ASSIGNMENT

(1-8)	Insert Name(s) of Inventor(s)	(1)	Hiroaki Murakami (5)				
		(2)	Shoji Onishi (6)				
	·	(3)	Osamu Takahashi (7)				
		(4)	(8)				
			In consideration of the good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign transfer and set over to				
(9)	Insert name of Assignee(s)	(9)	Toshiba America Electronic Components, Inc. and International Business Machines Corporation				
(10)	Insert state of Incorporation of Assignee(s)	(10)	California for Toshiba America Electronic Components, Inc., and New York for International Business Machines Corporation				
(11)	Insert address of Assignee(s)	(11)	9775 Toledo Way, Irvine, California 92618 for Toshiba America Electronic Components, Inc., and New Orchard Road, Armonk, New York 10504 for International Business Machines Corporation (hereinafter designated as the Assignee(s)) the entire worldwide right, title and interest (one-half (50%) of the entire worldwide right, title and interest to Toshiba America Electronic Components, Inc. and one-half (50%) of the entire worldwide right, title and interest to International Business Machines Corporation) in the invention known as				
(12)	Insert identification of Invention, such as Title, Case Number or Foreign Application Number	(12)	APPARATUS AND METHOD FOR PRECHARGING AND DISCHARGING A DOMINO CIRCUIT for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.				
(13)	Insert Date of Signing of Declaration	(13)	on May 14, 2003 and May 15, 2003				
		_	and the second s				

- 1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee(s) may deem necessary or expedient.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee(s) in every way possible in obtaining evidence and going forward with such interference.
- The undersigned agree(s) 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) The undersigned agree(s) to perform all effirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee(s).
- 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee(s), as Assignee(s) of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

6) The undersigned hereby appoints the persons associated with Customer Number: 000026021

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the power to insert on this assignment any further identification which 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.

Date: NOV 25. 2002	Signature of Inventor 1 Hiro ala Muralca mi
Date: NOV 25, 2002	Signature of Inventor 2 Short Duish
	Signature of Inventor 3 Cham Spackoly

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RECORDED: 06/05/2005