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Patents & Trademark Office

Attorney Docket No. 108066-00051

Date: January 23, 2002 To the Assistant Commissioner of Patents Please record the attached original documents or copy thereof 1. Name of conveying party(ies) 2. Name and address of receiving party(ies): Shoichi KAWAMURA Name: Fujitsu Li mited Address: 1-1, Kamikodanaka 4-chome, Nakahara-ku Additional name(s) of conveying party(ies) attached? Kawasaki-shi, Kanagawa 211-8588 Japan ☐ Yes ☑ No Additional name(s) & address(es) attached? ⊠ No ☐ Yes 3. Nature of conveyance: ☐ Merger Security Agreement ☐ Change of Name Other _ Execution Date: January 11, 2002 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: January 11, 2002 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached?

Yes ⊠ No 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41)...... \$ 40.00 Name: Arent Fox Kintner Plotkin & Kahn PLLC Street Address: 1050 Connecticut Avenue, N.W., Suite 400 Included in attached check. Any additional fees are authorized to be charged to Washington, D.C. 20036-5339 deposit account 8. Deposit account riumber: 01-2300 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. January 23, 2002 Charles M. Marmelstein Date Name of Person Signing Signature Reg. No. 25,895

> **PATENT** REEL: 012757 FRAME: 0453

Total number of pages including cover sheet, attachments, and document: 2

ARENT FOX KINTNER PLOTKIN & KAHN, PLLC Nikaido, Marmelstein, Murray & Oram Intellectual Property Group

Docket No:

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventors (hereinafter ASSIGNOR) by:

FUJITSU LIMITED

1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa, 211-8588 Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled:

MULTIPLE BIT NON-VOLATILE MEMORY UTILIZING NON-CONDUCTIVE CHARGE TRAPPING GATE

for which application for Letters Patent of the United States was filed on ______, and assigned Serial No._______ (Arent Fox Kintner Plotkin & Kahn, PLLC is hereby authorized to insert the series code, serial number and/or filing date hereon, when known) and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventors have affixed their signatures.

Shoichi KAWAMURA	(SIGNATURE)	11/01/2002 (DATE)
	(SIGNATURE)	(DATE)

NO LEGALIZATION REQUIRED

RECORDED: 01/23/2002

PATENT REEL: 012757 FRAME: 0454