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(21) International Application Number: PCT/US00/06241 (22) International Filing Date: 10 March 2000 (10.03.00) (30) Priority Data: 09/282,598 31 March 1999 (31.03.99) US (71) Applicant (for all designated States except US): INTEL CORPORATION [US/US]; 2200 Mission College Boulevard, Santa Clara, CA 95052 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): SBE, Deborah, L. [US/US]; 5880 October Hill Road, Placerville, CA 95667 (US). HASBUN, Robert, N. [US/US]; 2460 Mortara Circle, Placerville, CA 95667 (US). (74) Agents: MILLIKEN, Darren, J. et al.; Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025 (US).	(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
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(54) Title: **METHOD AND APPARATUS TO PERMIT ADJUSTABLE CODE/DATA BOUNDARY IN A NONVOLATILE MEMORY**

(57) Abstract

A method of moving a boundary in a nonvolatile memory is disclosed. The method comprises identifying a boundary location in the nonvolatile memory. The boundary location comprises a position between a first block of a first type and a second block of a second type. The method also comprises allocating objects from a last block of the first type to a second block of the first type. Additionally, the method comprises erasing the last block of the first type.

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graph TD
    807([EXPAND CODE PORTION 807]) --> 817[LOCATE LAST LOGICAL BLOCK 817]
    817 --> 827[MOVE DATA TO OTHER BLOCKS 827]
    827 --> 837[RECLAIM SECOND TO LAST BLOCK 837]
    837 --> 847[MODIFY INTEGRITY INDICATOR 847]
    847 --> 857[ERASE LAST LOGICAL BLOCK 857]
    857 --> 867{ERASED OR SPARE BLOCK AT DATA/CODE BOUNDARY 867}
    867 -- YES --> 889[INITIALIZE 889]
    867 -- NO --> 877[COPY BLOCK AT DATA/CODE BOUNDARY TO SPARE BLOCK 877]
    877 --> 887[RECLAIM BLOCK AT DATA/CODE BOUNDARY AS SPARE BLOCK 887]
    887 --> 889
  
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