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09/192,794 16 November 1998 (16.11.98) US(71) Applicant: **ECRIX CORPORATION [US/US]; Craig Lamborn, 5525 Central Avenue, Boulder, CO 80301 (US).**(72) Inventors: **MCAULIFFE, Richard H.; 2960 Lafayette Drive, Boulder, CO 80303 (US). ZACZEK, Thomas E.; 952 Cleveland Court, Louisville, CO 80027 (US).**(74) Agents: **FISHMAN, Daniel, N. et al.; Lee & Fishman, LLP, 1900 15th Street, Suite A, Boulder, CO 80302 (US).**(81) Designated States: **AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, 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, 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***Without international search report and to be republished upon receipt of that report.*(54) Title: **METHOD AND APPARATUS FOR LOGICALLY REJECTING PREVIOUSLY RECORDED TRACK RESIDUE FROM MAGNETIC MEDIA**

(57) Abstract

A method for logically rejecting previously recorded track residue from magnetic media is presented. A session ID (52) unique to a given recording session is encoded into track packet error check (16) and error correction codes (18) but is not itself actually written to tape. During a data recovery session, a reference session ID (78) for the original recording session is acquired by reconstructing the packet session ID (52) from the first few track packets and verifying that a predetermined number of consecutive track packets (8) have identical packet session IDs (52). Once the reference packet session ID (78) is acquired, it is preloaded into error detection (82) and correction (84) hardware. When a residue track encoded with a previously recorded session ID is recovered by the tape drive track packet detection circuitry, it is inherently rejected because the error detection and correction hardware detects an error and it is therefore never allowed into the data buffer.

