990631-9

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : G11B 20/12, 27/034

A2

(11) International Publication Number: WO 99/48094

(43) International Publication Date: 23 September 1999 (23.09.99)

(21) International Application Number: PCT/IB99/00343

(22) International Filing Date: 1 March 1999 (01.03.99)

(30) Priority Data:
98200888.0 19 March 1998 (19.03.98) EP

(71) Applicant: KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) Applicant *(for SE only)*: PHILIPS AB [SE/SE]; Kottbygatan 7, Kista, S–164 85 Stockholm (SE).

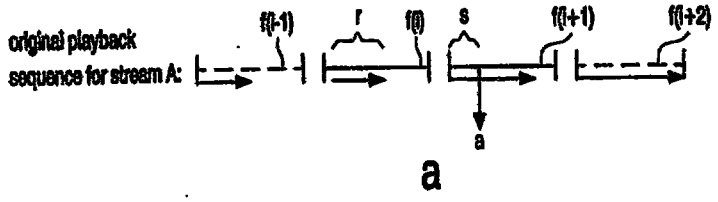
(72) Inventors: SAEIJS, Ronald, W., J., J.; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). KORST, Johannes, H., M.; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) Agent: VAN DER KRUK, Willem, L.; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

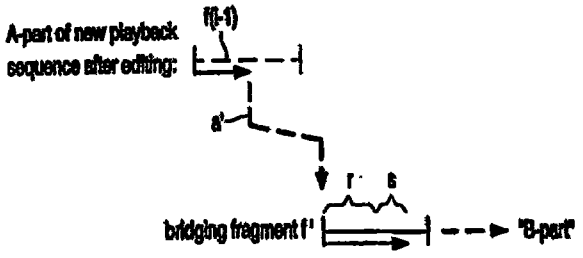
(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, 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: RECORDING/REPRODUCTION AND/OR EDITING OF REAL TIME INFORMATION ON/FROM A DISC LIKE RECORD CARRIER



a



b

(57) Abstract

Various measures are proposed for enabling simultaneous reading and writing of real time information, such as a digital video signal, from/onto a disc–like record carrier. The measures embody a requirement to the size of the blocks of information recorded in fixed sized fragment areas on the record carrier, and may require a re–ordering of read steps in a read/write cycle. Further, measures are disclosed to enable reproduction and seamless editing. The seamless editing method requires the generation of one or more bridging blocks to be recorded in fixed size fragment areas on the disk like record carrier.