PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : H04N 5/00 — A1

(11) International Publication Number: WO 99/05854

(43) International Publication Date: 4 February 1999 (04.02.99)

(21) International Application Number: PCT/IB98/01173

(22) International Filing Date: 23 July 1998 (23.07.98)

(30) Priority Data:
97401792.3 24 July 1997 (24.07.97) EP

(71) Applicant *(for all designated States except US)*: CANAL+ SOCIETE ANONYME [FR/FR]; 85/89, quai André Citroën, F–75711 Paris Cedex 15 (FR).

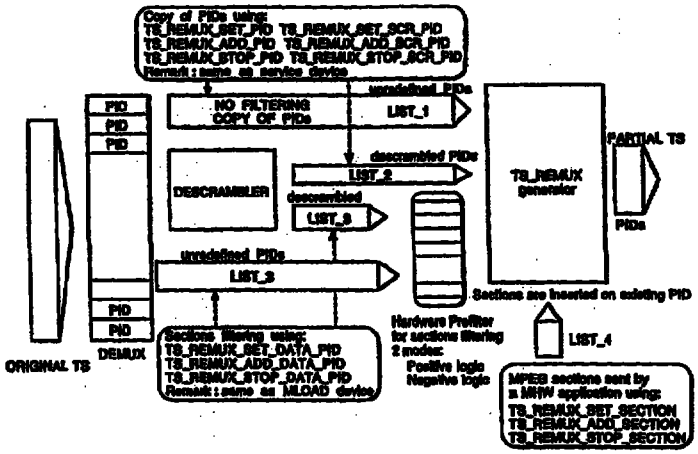
(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: SARFATI, Jean–Claude [FR/FR]; 2–4, place d'Oberursel, F–93800 Epinay sur Seine (FR). MERIC, Jérôme [FR/FR]; 55, rue de Meaux, F–60300 Senlis (FR).

(74) Agents: COZENS, Paul, Dennis et al.; Mathys & Squire, 100 Grays Inn Road, London WC1X 8AL (GB).

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, 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, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, 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
With international search report.

(54) Title: DIGITAL TRANSPORT STREAM PROCESSING



(57) Abstract

A device for use in a receiver/decoder for a broadcast digital television system in which received signals are passed through a receiver to the receiver/decoder (2020) and thence to a television set (2022). The receiver/decoder decodes a compressed MPEG–type signal, and is controlled by a remote controller handset (2026), through an interface in the receiver/decoder. The receiver/decoder includes a plurality of interfaces to external units, and logical driver devices for the interfaces. The device produces a partial transport stream or an encapsulated data stream from the received broadcast digital data stream under the control of an application. This may allow a desired data stream, for example containing selected programmes to be recorded by a digital video recorder coupled to receive the output of the device or may facilitate communication with a computer.