(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
17 July 2003 (17.07.2003)

PCT

(10) International Publication Number
WO 03/058508 A2

(51) International Patent Classification[7]: G06F 17/30

(21) International Application Number: PCT/US02/41784

(22) International Filing Date:
30 December 2002 (30.12.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/036,560 31 December 2001 (31.12.2001) US

(71) Applicant *(for all designated States except US)*: **GENERAL INSTRUMENT CORPORATION** [US/US]; 101 Tournament Drive, Horsham, PA 19044 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **SAFADI, Reem** [US/US]; 429 Brown Briar Circle, Horsham, PA 19044 (US). **McGRATH, Carl** [US/US]; 82 E. PeaceValley Road, Chalfont, PA 18914 (US).

(74) Agent: **LIPSITZ, Barry, R.**; Law Offices of Barry R. Lipsitz, Building No. 8, 755 Main Street, Monroe, CT 06468 (US).

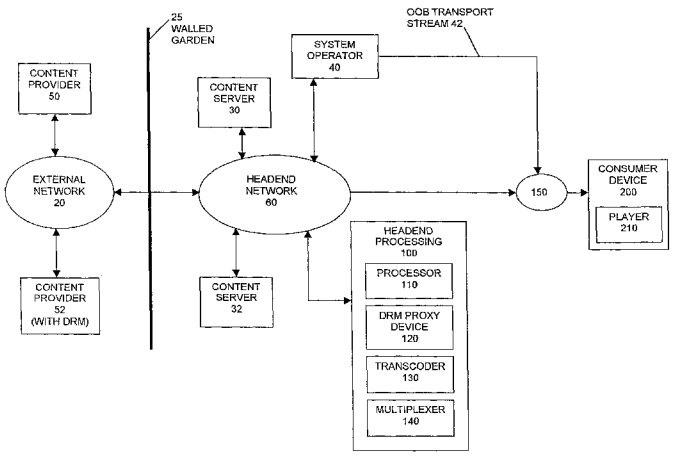
(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**
— *without international search report and to be republished upon receipt of that report*

*[Continued on next page]*

(54) Title: METHODS AND SYSTEMS FOR PROVIDING STREAMING MEDIA CONTENT IN EXISTING VIDEO DELIVERY SYSTEMS




(57) Abstract: Methods and systems for the provision of streaming media content in existing video delivery systems are provided. Streaming media content may be delivered over an existing video delivery system by (1) downloading a streaming media player to a consumer device and processing the streaming media content for delivery over the existing delivery network for decoding and display by the player; and/or (2) transcoding the streaming media content for display on a consumer device and delivering the transcoded streaming media content over the existing delivery network to the consumer device. Processing of the streaming media content may comprise encapsulating the streaming media content in an MPEG-2 transport stream for delivery over the existing network. Transcoding of the streaming media content may comprise converting the content from an original format to another format compatible with the consumer device and/or a player resident at the consumer device, such as an MPEG-2 program stream. Various hybrid systems using features of both types of delivery methods may be developed and implemented in accordance with the invention.

WO 03/058508 A2

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*