

Title (en)
VIDEO PROGRAM BEARING TRANSPORT STREAM REMULTIPLEXER

Title (de)
NEUMULTIPLEXER VON VIDEOPROGRAMMEN TRAGENDER TRANSPORTSTROM

Title (fr)
REMULTIPLEXEUR DE FLUX DE TRANSPORT SUPPORTANT UN PROGRAMME VIDEO

Publication
EP 1046253 A4 20050511 (EN)

Application
EP 99900800 A 19990107

Priority

- US 9900360 W 19990107
- US 721198 A 19980114
- US 721298 A 19980114
- US 733498 A 19980114
- US 720398 A 19980114
- US 720498 A 19980114
- US 721098 A 19980114
- US 696398 A 19980114
- US 696498 A 19980114
- US 719898 A 19980114
- US 719998 A 19980114

Abstract (en)
[origin: WO9937048A1] A method and system (30, 30', 100, 100', 100", 100'") remultiplex video program bearing data (TS1-TS5, TS10-TS20), using a descriptor based system (122, 124, 129-4) for timely outputting transport packets, using a descriptor and transport packet caching technique (116, 122, 124, 114) for decoupling the synchronous receipt and transmission of transport packets from any asynchronous processing (160, 120, 130, S2, 402, S4, 404), using descriptors for managing scrambling and descrambling control words (129-9), optimizing bandwidth of transport streams by replacing null transport packets with transport packet data, and using a technique (180) for locking multiple internal reference clock generators (113).

IPC 1-7
H04J 3/24; **H04L 9/18**; **H04L 12/56**; **H04K 1/00**; **H04N 7/10**; **H04N 7/12**; **H04N 7/52**; **H04N 7/24**; **H04N 7/58**

IPC 8 full level
H04J 3/00 (2006.01); **H04K 1/00** (2006.01); **H04L 9/18** (2006.01); **H04N 7/24** (2011.01); **H04N 19/00** (2014.01); **H04N 19/467** (2014.01); **H04N 19/70** (2014.01)

CPC (source: EP KR)
H04N 7/24 (2013.01 - KR); **H04N 21/23608** (2013.01 - EP); **H04N 21/434** (2013.01 - KR)

Citation (search report)

- [X] WO 9719560 A1 19970529 - IMEDIA CORP [US]
- [X] EP 0805598 A1 19971105 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [A] EP 0743795 A2 19961120 - THOMSON MULTIMEDIA SA [FR]
- [A] US 5691986 A 19971125 - PEARLSTEIN LARRY [US]
- [A] WO 9746024 A2 19971204 - PHILIPS ELECTRONICS NV [NL], et al
- [A] US 5566208 A 19961015 - BALAKRISHNAN MAHESH [US]
- [A] WO 9515658 A1 19950608 - DISCOVERY COMMUNICAT INC [US]
- [XA] CARTWRIGHT C T: "ISSUES IN MULTIPLEX AND SERVICE MANAGEMENT IN DIGITAL MULTICHANNEL BROADCASTING", INTERNATIONAL BROADCASTING CONVENTION, LONDON, GB, September 1997 (1997-09-01), pages 308 - 313, XP000668937
- [XA] BUNGUM O W: "TRANSMULTIPLEXING, TRANSCONTROL AND TRANSSCRAMBLING OF MPEG-2/DVB SIGNAL", INTERNATIONAL BROADCASTING CONVENTION, LONDON, GB, 12 September 1996 (1996-09-12), pages 288 - 293, XP002040478
- [A] SOO IN LEE: "IMPLEMENTATION OF MPEG-2 TS REMULTIPLEXER AND DATA TRANSPORT UNIT FOR HDTV SATELLITE BROADCASTING", IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, IEEE INC. NEW YORK, US, vol. 43, no. 3, August 1997 (1997-08-01), pages 324 - 329, ABSTRA, XP000879850, ISSN: 0098-3063
- See also references of WO 9937048A1

Designated contracting state (EPC)
CH DE FI FR GB IT LI NL

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WO 9937048 A1 19990722; AU 2030499 A 19990802; AU 761704 B2 20030605; BR 9906963 A 20011030; CA 2318415 A1 19990722; CA 2318415 C 20091215; CN 100380853 C 20080409; CN 1293845 A 20010502; EP 1046253 A1 20001025; EP 1046253 A4 20050511; HK 1036172 A1 20011221; IL 137277 A0 20010724; IL 137277 A 20061005; JP 2002510162 A 20020402; KR 20010034133 A 20010425; NO 20003599 D0 20000713; NO 20003599 L 20000913; NO 20084376 L 20000913

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US 9900360 W 19990107; AU 2030499 A 19990107; BR 9906963 A 19990107; CA 2318415 A 19990107; CN 99803994 A 19990107; EP 99900800 A 19990107; HK 01106995 A 20011005; IL 13727799 A 19990107; JP 2000540637 A 19990107; KR 20007007746 A 20000713; NO 20003599 A 20000713; NO 20084376 A 20081017