

Title (en)  
DIGITAL BROADCASTING SYSTEM AND DATA PROCESSING METHOD THEREOF

Title (de)  
DIGITALES AUSSTRAHLUNGSSYSTEM UND DATENVERARBEITUNGSVERFAHREN DAFÜR

Title (fr)  
SYSTEME DE DIFFUSION NUMERIQUE ET PROCEDE DE TRAITEMENT DE DONNEES ASSOCIE

Publication  
**EP 2008451 A1 20081231 (EN)**

Application  
**EP 07745728 A 20070330**

Priority

- KR 2007001565 W 20070330
- US 78870706 P 20060404
- US 41625806 A 20060503
- KR 20060066552 A 20060714

Abstract (en)  
[origin: WO2007114598A1] A digital broadcasting system and a data processing method thereof are provided. An apparatus for generating a transport stream includes a packet generator for generating a plurality of packets by compressing video and audio signals; a counter for counting the number of the generated packets and outputting the count result; and an information controller for determining whether the count result of counting reaches a predetermined number of packets, inserting packet start information into the packets according to the count result, and transmitting the packets with the packet start information inserted therein. The packet start information is added to a packet to be transmitted in a transmitter, and the packet start information is extracted from the received packet in a receiver, so that the waste of frequency resources can be reduced.

IPC 8 full level  
**H04N 7/08** (2006.01); **H04L 1/00** (2006.01); **H04N 7/015** (2006.01); **H04N 7/24** (2011.01); **H04N 7/52** (2011.01); **H04N 19/89** (2014.01)

CPC (source: EP KR)  
**H04H 20/18** (2013.01 - EP KR); **H04H 20/67** (2013.01 - EP); **H04L 1/0041** (2013.01 - EP); **H04N 21/23608** (2013.01 - EP); **H04N 21/2368** (2013.01 - EP KR); **H04N 21/434** (2013.01 - KR); **H04N 21/4341** (2013.01 - EP); **H04N 21/4344** (2013.01 - EP); **H04H 20/06** (2013.01 - EP); **H04H 60/07** (2013.01 - EP); **H04L 2001/0093** (2013.01 - EP); **H04W 56/00** (2013.01 - EP)

Designated contracting state (EPC)  
DE ES FR GB IT SE

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**WO 2007114598 A1 20071011**; BR PI0710520 A2 20110510; BR PI0722369 A2 20110816; BR PI0722370 A2 20110816; CA 2644340 A1 20071011; CA 2684401 A1 20071011; CA 2684401 C 20140708; CA 2684993 A1 20071011; CA 2684993 C 20120605; CN 101411188 A 20090415; CN 101697588 A 20100421; CN 101697588 B 20130130; CN 101697589 A 20100421; CN 101697589 B 20121212; CN 101697590 A 20100421; CN 101697590 B 20130925; CN 102387357 A 20120321; EP 2008451 A1 20081231; EP 2008451 A4 20121031; EP 2159946 A2 20100303; EP 2159946 A3 20121031; EP 2160034 A2 20100303; EP 2160034 A3 20130130; KR 100793963 B1 20080116; KR 20070099391 A 20071009; MX 2008012802 A 20081015

DOCDB simple family (application)  
**KR 2007001565 W 20070330**; BR PI0710520 A 20070330; BR PI0722369 A 20070330; BR PI0722370 A 20070330; CA 2644340 A 20070330; CA 2684401 A 20070330; CA 2684993 A 20070330; CN 200780010887 A 20070330; CN 200910205858 A 20070330; CN 200910205859 A 20070330; CN 200910205860 A 20070330; CN 201110352947 A 20070330; EP 07745728 A 20070330; EP 09173534 A 20070330; EP 09173540 A 20070330; KR 20060066552 A 20060714; MX 2008012802 A 20070330