

Title (en)
DETERMINISTIC AND SMOOTHED RE-MULTIPLEXING OF TRANSPORT STREAMS WITHIN SINGLE FREQUENCY NETWORKS

Title (de)
DETERMINISTISCHES UND GEGLÄTTETES REMULTIPLEXING VON TRANSPORTDATENSTRÖMEN IN EINZELFREQUENZNETZEN

Title (fr)
REMULTIPLEXAGE DÉTERMINISTE ET LISSE DE FLUX DE TRANSPORT DANS DES RÉSEAUX À FRÉQUENCE UNIQUE

Publication
EP 3472951 A1 20190424 (EN)

Application
EP 16759852 A 20160617

Priority
IB 2016001129 W 20160617

Abstract (en)
[origin: WO2017216597A1] The present invention proposes a method and a device for deterministic re- multiplexing of transport streams, such as digital television signals primarily intended to be broadcast over Single Frequency Networks. DTT frame delimiters are inserted in streams by head-ends. The resulting streams are received by the transmitters that operate DTT frame after DTT frame. TS packets for a current DTT frame are filtered from the input streams and stored. Once all the TS packets for the current DTT frame have been retrieved, they can be inserted in the output remuxed stream, in the stream portion corresponding to that DTT frame, according to timestamping. The applied deterministic insertion scheme is based on a request management process allowing to smooth packet insertion within the DTT frame, in order to insert a maximum number of retrieved TS packets in the output stream while fulfilling their timing constraints.

IPC 8 full level
H04H 20/06 (2008.01); **H04H 20/18** (2008.01); **H04H 20/67** (2008.01)

CPC (source: EP)
H04H 20/06 (2013.01); **H04H 20/18** (2013.01); **H04H 20/67** (2013.01)

Citation (search report)
See references of WO 2017216597A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2017216597 A1 20171221; EP 3472951 A1 20190424

DOCDB simple family (application)
IB 2016001129 W 20160617; EP 16759852 A 20160617