

Title (en)
APPARATUS AND METHOD FOR ADJUSTING BITRATE OF CODED SCALABLE BITSTREAM BASED ON MULTI-LAYER

Title (de)
VORRICHTUNG UND VERFAHREN ZUR REGULIERUNG DER BITRATE EINES KODIERTEN SKALIERBAREN BITSTROMS AUF MEHRSCICHTBASIS

Title (fr)
DISPOSITIF ET PROCEDE DE REGLAGE DU DEBIT BINAIRE D'UN TRAIN BINAIRE CODE EVOLUTIF PAR MULTICOUCHES

Publication
EP 1803302 A4 20071107 (EN)

Application
EP 05856385 A 20050928

Priority
• KR 2005003208 W 20050928
• US 61902304 P 20041018
• KR 20040107960 A 20041217

Abstract (en)
[origin: WO2006080655A1] Disclosed are a method and an apparatus for realizing signal to noise ratio (SNR) scalability in a video stream server in order to transmit a video stream in a variable network environment. An apparatus for adapting a bitrate of a coded scalable bit-stream based on multi-layers to a variable network environment, comprising a bit-stream parsing unit to parse an input bit-stream, a pre-decoding condition determining unit to determine a target transmission bitrate according to the variable network environment, a pre-decoding unit to skip at least one frame among the frames included in the parsed bit-stream according to the determined target transmission bitrate, and a bit-stream transmission unit to transmit to a client device the bit-stream that has been restructured due to frame skipping.

IPC 8 full level
H04N 7/24 (2011.01)

CPC (source: EP)
H04N 19/132 (2014.11); **H04N 19/164** (2014.11); **H04N 19/172** (2014.11); **H04N 21/234327** (2013.01); **H04N 21/2662** (2013.01)

Citation (search report)
• [XY] WO 03036983 A2 20030501 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
• [XY] US 6529552 B1 20030304 - TSAI CHUN-JEN [US], et al
• [E] WO 2006006777 A1 20060119 - SAMSUNG ELECTRONICS CO LTD [KR], et al
• [A] YUSUF A A ET AL: "An adaptive motion vector composition algorithm for frame skipping video transcoding", ELECTROTECHNICAL CONFERENCE, 2004. MELECON 2004. PROCEEDINGS OF THE 12TH IEEE MEDITERRANEAN DUBROVNIK, CROATIA 12-15 MAY 2004, PISCATAWAY, NJ, USA, IEEE, US, 12 May 2004 (2004-05-12), pages 235 - 238Vol1, XP010733770, ISBN: 0-7803-8271-4
• See references of WO 2006080655A1

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
WO 2006080655 A1 20060803; EP 1803302 A1 20070704; EP 1803302 A4 20071107

DOCDB simple family (application)
KR 2005003208 W 20050928; EP 05856385 A 20050928