

Title (en)
SYSTEM AND METHOD FOR TRANSMITTING LAYERED VIDEO OVER QOS ENABLED WLANS

Title (de)
SYSTEM UND VERFAHREN ZUR ÜBERMITTLUNG VON GESCHICHTETEM VIDEO ÜBER QOS-FÄHIGE WLANS

Title (fr)
SYSTEME ET PROCEDE PERMETTANT DE TRANSMETTRE UNE VIDEO EN COUCHES SUR DES WLAN FOURNISSANT UNE QUALITE DE SERVICE

Publication
EP 1815643 A1 20070808 (EN)

Application
EP 05799528 A 20051104

Priority
• IB 2005053619 W 20051104
• US 62566904 P 20041105

Abstract (en)
[origin: WO2006048842A1] A system and method is disclosed for the transmission of layered video over Quality of Service (QoS) enabled wireless local area networks (WLANs) in which a flow control layer (614) is utilized to drop enhancement layer (EL) packets from a multi-layer variable rate (VR) video stream having both base layer (BL) packets (608) and enhancement layer (EL) packets (610) when a wireless network becomes congested. An exemplary system includes an encoder (602) suitable to receive and encode video data into a video bitstream comprising both base layer BL packets (608) and enhancement layer EL packets (610), a flow control layer (612) whereby one or more of the enhancement layer EL packets (610) associated with the video stream may be dropped as needed depending upon the state of a wireless medium, a scheduler (SE) (614) for scheduling the packets, and a MAC layer (616) for preparing the video stream for transmission over the air.

IPC 8 full level
H04L 12/28 (2006.01); **H04W 28/08** (2009.01); **H04W 28/06** (2009.01); **H04W 28/10** (2009.01); **H04W 72/12** (2009.01); **H04W 84/12** (2009.01)

CPC (source: EP)
H04N 19/132 (2014.11); **H04N 19/156** (2014.11); **H04N 19/188** (2014.11); **H04N 19/30** (2014.11); **H04W 28/0231** (2013.01); **H04W 28/0268** (2013.01); **H04W 28/0289** (2013.01); **H04W 28/10** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006048842 A1 20060511; CN 101053215 A 20071010; EP 1815643 A1 20070808; JP 2008519528 A 20080605

DOCDB simple family (application)
IB 2005053619 W 20051104; CN 200580037956 A 20051104; EP 05799528 A 20051104; JP 2007539698 A 20051104