

162162

ABSTRACT OF THE DISCLOSURE

An MPEG-4 LIVE UNICAST VIDEO STREAMING SYSTEM IN WIRELESS NETWORK WITH END-TO-END BITRATE-BASED CONGESTION CONTROL

With end-to-end congestion control, in an MPEG-4 Live Unicast Video Streaming System in wireless network, a Streaming Server provides real-time video-streaming to a Client by using RTP/UDP protocol. RTP/RTCP Transport Engines handle the segmentization / desegmentization and packetization / depacketizaiton of the data as well as the transmission/retransmission of the packets. A Bitrate Adaptation protocol and a Network Bandwidth Polling protocol can automatically and dynamically adjust the data-bitrate/transmission-bitrate according to the available network bandwidth; so that the continuous live video-streaming service is promised.



G00002