

Title (en)
VIDEO QUALITY MONITORING

Title (de)
VIDEOQUALITÄTSÜBERWACHUNG

Title (fr)
CONTRÔLE DE QUALITÉ VIDÉO

Publication
EP 3175625 A4 20180411 (EN)

Application
EP 15827003 A 20150731

Priority
• US 201462031893 P 20140801
• US 2015043087 W 20150731

Abstract (en)
[origin: WO2016019227A1] A method for monitoring video quality transmitted over a mobile network, comprising tapping into a mobile network traffic stream organizing the tapped network traffic into at least one individual video session associated with a single user; determining a video quality parameter for the at least one individual video session wherein the video quality parameter is at least one of packet jitter growth, packet loss, instantaneous flow rate balance (IFRB), delay between packets; a jitter statistic; a total time required to receive all packets needed to fully assemble a segment; a statistic of errors in key frames; aggregating context information for the at least one individual video session wherein context information includes at least one of cell tower, smart node, serving gateway node, user, subscriber level, device type, application, and content provider; and transmitting aggregated context information and at least one video quality parameter to a video quality server.

IPC 8 full level
H04N 21/24 (2011.01); **H04L 29/06** (2006.01); **H04N 17/00** (2006.01); **H04N 21/442** (2011.01)

CPC (source: EP)
H04L 65/612 (2022.05); **H04L 65/80** (2013.01); **H04N 17/004** (2013.01); **H04N 21/2402** (2013.01); **H04N 21/442** (2013.01)

Citation (search report)
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• [X] US 2009097413 A1 20090416 - TODD MARC A C [US], et al
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CN111953961A

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

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DOCDB simple family (application)
US 2015043087 W 20150731; EP 15827003 A 20150731; EP 18188775 A 20150731