

Title (en)

AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING

Title (de)

VORRICHTUNG, VERFAHREN UND COMPUTERPROGRAMM ZUR VIDEOCODIERUNG UND -DECODIERUNG

Title (fr)

APPAREIL, PROCÉDÉ ET PROGRAMME INFORMATIQUE DE CODAGE ET DE DÉCODAGE VIDÉO

Publication

**EP 3580935 A4 20200722 (EN)**

Application

**EP 18751348 A 20180123**

Priority

- FI 20175117 A 20170213
- FI 2018050050 W 20180123

Abstract (en)

[origin: WO2018146376A1] A method comprising: receiving a segment request, wherein the segment corresponds to a first duration; providing encapsulated bitstreams having a plurality of self-containing portions having a duration less than the first duration; transmitting a first set of the plurality of self-containing portions, the first set corresponding to a first quality or a first bitrate; receiving a notification to switch to a second quality or a second bitrate; and transmitting a second set of the plurality of self-containing portions, the second set corresponding to the second quality or the second bitrate. The first set and second set may have different intervals between access points. The method is intended for adaptive streaming of multimedia content, especially for streaming encoded 360-degree or virtual reality video content.

IPC 8 full level

**H04N 21/4728** (2011.01); **H04N 13/106** (2018.01); **H04N 19/114** (2014.01); **H04N 19/36** (2014.01); **H04N 21/2343** (2011.01)

CPC (source: EP)

**H04N 19/114** (2014.11); **H04N 19/177** (2014.11); **H04N 19/30** (2014.11); **H04N 19/597** (2014.11); **H04N 21/234345** (2013.01); **H04N 21/4728** (2013.01); **H04N 13/161** (2018.04); **H04N 19/36** (2014.11)

Citation (search report)

- [I] GB 2538531 A 20161123 - NOKIA TECHNOLOGIES OY [FI]
- See references of WO 2018146376A1

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

DOCDB simple family (publication)

**WO 2018146376 A1 20180816**; EP 3580935 A1 20191218; EP 3580935 A4 20200722

DOCDB simple family (application)

**FI 2018050050 W 20180123**; EP 18751348 A 20180123