

Title (en)

AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VOLUMETRIC VIDEO

Title (de)

VORRICHTUNG, VERFAHREN UND COMPUTERPROGRAMM FÜR VOLUMETRISCHES VIDEO

Title (fr)

APPAREIL, PROCÉDÉ ET PROGRAMME INFORMATIQUE POUR VIDÉO VOLUMÉTRIQUE

Publication

**EP 3987774 A1 20220427 (EN)**

Application

**EP 20826896 A 20200518**

Priority

- FI 20195543 A 20190620
- FI 2020050331 W 20200518

Abstract (en)

[origin: WO2020254719A1] A method comprising: projecting a 3D representation of at least one object onto at least one 2D patch; generating a geometry image, a texture image, an occupancy map and auxiliary patch information from the 2D patch, wherein the auxiliary patch information comprises metadata relating to surface properties of the patch and one or more indicators of the surface normal of the patch for configuring reconstruction of the 3D representation of said at least one object; and encoding the geometry image, the texture image, the occupancy map and the auxiliary patch information in or along a bitstream.

IPC 8 full level

**H04N 13/161** (2018.01); **G06T 9/00** (2006.01); **G06T 15/04** (2011.01); **G06T 15/50** (2011.01); **H04N 13/178** (2018.01); **H04N 13/268** (2018.01); **H04N 19/597** (2014.01)

CPC (source: EP)

**G06T 9/001** (2013.01); **H04N 13/161** (2018.04); **H04N 13/178** (2018.04); **H04N 13/282** (2018.04); **H04N 19/597** (2014.11)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2020254719 A1 20201224**; EP 3987774 A1 20220427; EP 3987774 A4 20230628

DOCDB simple family (application)

**FI 2020050331 W 20200518**; EP 20826896 A 20200518