

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 D'ORDINATEUR POUR VIDÉO VOLUMÉTRIQUE

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Application

EP 18867354 A 20181010

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Abstract (en)

[origin: WO2019077199A1] There are disclosed various methods, apparatuses and computer program products for volumetric video encoding and decoding. In some encoding embodiments, volumetric presentation of an object is obtaining. The object is projected to a main projection surface using a projection format. An occluded part of the object on the main projection surface is determined, wherein an auxiliary projection surface is defined for the occluded part. The occluded part is projected to the auxiliary projection surface; and an indication of a relationship of the auxiliary projection surface with the main projection surface is provided. In some decoding embodiments, projection information of a first part of an object of a volumetric presentation with reference to a main projection surface is received. Also projection information of a second part of the object with reference to an auxiliary projection surface is received. Said second part is occluded from a viewing direction of the main projection surface. Information of the relationship of the auxiliary projection surface with the main projection surface is further received. The information of the relationship is used to obtain the auxiliary projection surface. The first part of the object is back-projected from the main projection surface; and the second part of the object is back-projected from the auxiliary projection surface.

IPC 8 full level

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Citation (search report)

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- See references of WO 2019077199A1

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