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

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Abstract (en)

[origin: WO2019234290A1] There are disclosed various methods, apparatuses and computer program products for volumetric video encoding and decoding. In some embodiments of a method for encoding, one or more patches formed from a three-dimensional image information are obtained.The one or more patches are packed into a binary image. an original occupancy map is generated from the one or more patches, said original occupancy map comprising information of occupied and non-occupied pixels of the binary image. An estimated occupancy map is also generated, wherein the estimated occupancy map and the original occupancy map are compared to form a difference signal, which is encoded into or along a bitstream. In some embodiments of a method for decoding a texture image and a geometry image are received. Also a difference signal indicative of differences between an estimated occupancy map and an original occupancy map is received; wherein the original occupancy map is reconstructed by using the texture image, the geometry image and the difference signal.

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