Title (en)

ENCODING AND DECODING OF THREE-DIMENSIONAL IMAGE DATA

Title (de)

CODIERUNG UND DECODIERUNG VON DREIDIMENSIONALEN BILDDATEN

Title (fr)

CODAGE ET DÉCODAGE DE DONNÉES D'IMAGE TRIDIMENSIONNELLE

Publication

EP 3120541 A1 20170125 (EN)

Application

EP 15715495 A 20150318

Priority

- NL 2012462 A 20140318
- NL 2015050174 W 20150318

Abstract (en)

[origin: WO2015142174A1] The various aspects and embodiments thereof relate to coding of stereoscopic omnidirectional data in a container that may be conveniently used for further coding and transmission by means of legacy technology. The container may comprises image data acquired by means of multiple cameras, located at substantially the same location, of which the camera views cover substantially a full omnidirectional view. From data in the containers thus received at another side, omnidirectional views may be created for a left observation point and a right observation point, for example a pair of eyes. Image spheres may be constructed based on data in the containers and a virtual viewpoint may be presented near the centres of the spheres. Alternatively, data in the containers may be mapped directly to images to be shown. Observation data comprising the position of the observation points may be derived by means of a position sensor.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2015142174A1

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