

Title (en)

HIGH LEVEL SYNTAX FOR IMMERSIVE VIDEO CODING

Title (de)

SYNTAX AUF HOHER EBENE FÜR IMMERSIVE VIDEOCODIERUNG

Title (fr)

SYNTAXE DE HAUT NIVEAU POUR CODAGE DE VIDÉO IMMERSIVE

Publication

EP 3942797 A4 20221214 (EN)

Application

EP 20773623 A 20200317

Priority

- US 201962820760 P 20190319
- US 2020023122 W 20200317

Abstract (en)

[origin: WO2020190928A1] Techniques related to coding immersive video including multiple texture and depth views of a scene are discussed. Such techniques include reducing the bit-depth of a depth view using a piece-wise linear mapping prior to encode, inverse mapping a decoded low bit-depth depth view to the high bit-depth using the piece-wise linear mapping, and efficiently encoding and decoding camera parameters corresponding to the immersive video.

IPC 8 full level

H04N 19/597 (2014.01); **H04N 13/128** (2018.01); **H04N 13/161** (2018.01); **H04N 19/184** (2014.01); **H04N 19/36** (2014.01); **H04N 19/70** (2014.01)

CPC (source: EP KR)

H04N 13/111 (2018.04 - EP); **H04N 13/117** (2018.04 - EP); **H04N 13/128** (2018.04 - EP KR); **H04N 13/161** (2018.04 - EP KR); **H04N 19/184** (2014.11 - KR); **H04N 19/36** (2014.11 - EP); **H04N 19/597** (2014.11 - EP KR); **H04N 19/70** (2014.11 - EP); **H04N 19/85** (2014.11 - EP)

Citation (search report)

- [XAI] US 2014218473 A1 20140807 - HANNUKSELA MISHA MATIAS [FI], et al
- [A] US 2013022111 A1 20130124 - CHEN YING [US], et al
- [XAI] "Depth map formats used with MPEG 3D technologies", no. n16730, 1 March 2017 (2017-03-01), XP030023397, Retrieved from the Internet <URL:http://phenix.int-evry.fr/mpeg/doc_end_user/documents/117_Geneva/wg11/w16730.zip W16730 - depth maps formats - 20170209-1158_kw.docx> [retrieved on 20170301]
- [XP] JILL BOYCE (INTEL) ET AL: "Extensions to Technicolor-Intel Response to 3DoF+ CfP", no. m47544, 22 March 2019 (2019-03-22), XP030211608, Retrieved from the Internet <URL:http://phenix.int-evry.fr/mpeg/doc_end_user/documents/126_Geneva/wg11/m47544-v2-M47544-v2.zip M47544-v2.docx> [retrieved on 20190322]
- See references of WO 2020190928A1

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 2020190928 A1 20200924; BR 112021016388 A2 20211123; CN 113491111 A 20211008; EP 3942797 A1 20220126; EP 3942797 A4 20221214; JP 2022524305 A 20220502; KR 20210130148 A 20211029

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US 2020023122 W 20200317; BR 112021016388 A 20200317; CN 202080015175 A 20200317; EP 20773623 A 20200317; JP 2021548154 A 20200317; KR 20217026220 A 20200317