

Title (en)

SYSTEMS AND METHODS FOR PRODUCING PANORAMIC AND STEREOSCOPIC VIDEOS

Title (de)

SYSTEME UND VERFAHREN ZUR HERSTELLUNG VON PANORAMISCHEN UND STEREOSKOPISCHEN VIDEOS

Title (fr)

SYSTÈMES ET PROCÉDÉS DE PRODUCTION DE VIDÉOS PANORAMIQUES ET STÉRÉOSCOPIQUES

Publication

EP 3080986 A4 20171122 (EN)

Application

EP 14869343 A 20141215

Priority

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Abstract (en)

[origin: WO2015085406A1] A system and associated method for capturing panoramic and stereoscopic image data can be utilized to produce panoramic and stereoscopic videos for use in conjunction with suitable virtual reality display devices. The system utilizes a camera arrangement consisting of a plurality of camera pairs positioned to capture a 360° environment. Each camera pair comprises a left-eye camera and a right-eye camera and the camera pair planes of each camera pair substantially parallel to each other. The camera pairs can be arranged in levels of varying heights in order to accommodate a greater number of camera pairs, thereby enhancing the resulting image data. Once the image data has been captured, left and right-eye panoramic videos are generated by merging the corresponding images from each left-eye camera at each time point, and each right-eye camera at each time point. The resulting videos can then be output for panoramic and stereoscopic viewing.

IPC 8 full level

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Citation (search report)

- [XY] WO 2012136388 A1 20121011 - FRAUNHOFER GES FORSCHUNG [DE], et al
- [X] US 2012249730 A1 20121004 - LEE KENNETH KUN [US]
- [X] US 2011249100 A1 20111013 - JAYARAM SANKAR [US], et al
- [Y] US 2008298674 A1 20081204 - BAKER ROBERT G [US], et al
- See references of WO 2015085406A1

Designated contracting state (EPC)

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