

Title (en)

METHOD OF PROJECTING IMAGE ONTO CURVED PROJECTION AREA AND PROJECTION SYSTEM THEREFOR

Title (de)

VERFAHREN ZUM PROJIZIEREN EINES BILDES AUF EINE GEKRÜMMTE PROJEKTIONSFLÄCHE UND PROJEKTIONSSYSTEM DAFÜR

Title (fr)

PROCÉDÉ DE PROJECTION D'IMAGE SUR UNE ZONE DE PROJECTION INCURVÉE, ET SYSTÈME DE PROJECTION ASSOCIÉ

Publication

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Application

EP 17880555 A 20171024

Priority

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Abstract (en)

[origin: WO2018110822A1] Disclosed are an image projection method and system in a theater equipped with a projection area of a curved surface and a plurality of projection apparatuses. Specifically, disclosed are an image projection method and system, which can define a plurality of projection apparatuses as one cluster by computing relative transform information between the projection areas of the plurality of projection apparatuses and can project a single image onto a curved projection area without distortion through the plurality of projection apparatuses by defining a relative relation between the reference projection apparatus of the cluster and the projection area of the original image.

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

- [XYI] US 2008267516 A1 20081030 - CHANG NELSON LIANG AN [US], et al
- [XYI] US 2012120372 A1 20120517 - TIMONER SAMSON J [US], et al
- [XI] US 2006192925 A1 20060831 - CHANG NELSON L A [US]
- [Y] US 2007291184 A1 20071220 - HARVILLE MICHAEL [US], et al
- [A] WO 2014000159 A1 20140103 - YAN TAO [CN]
- [A] LI DONG ET AL: "Multi-projector auto-calibration and placement optimization for non-planar surfaces", OPTICAL REVIEW, SPRINGER VERLAG, TOKYO, JP, vol. 22, no. 5, 21 July 2015 (2015-07-21), pages 762 - 778, XP035540467, ISSN: 1340-6000, [retrieved on 20150721], DOI: 10.1007/S10043-015-0123-4
- See references of WO 2018110822A1

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