

Title (en)

METHOD FOR REDUCING THE INTERLAYER INTERFERENCE IN MULTILAYER HOLOGRAMS

Title (de)

VERFAHREN ZUR REDUZIERUNG VON ZWISCHENSCHICHTINTERFERENZEN IN MEHRSCICHTIGEN HOLOGRAMMEN

Title (fr)

PROCÉDÉ DE RÉDUCTION DE L'INTERFÉRENCE INTERCOUCHE DANS DES HOLOGRAMMES MULTICOUCHE

Publication

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Application

**EP 21738362 A 20210223**

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- TR 2021050164 W 20210223

Abstract (en)

[origin: WO2021141565A2] The present invention relates to a method for calculating and projecting 3-D holograms built in a multilayer manner. In particular, the present invention relates to a method for determining the image layers for forming the multilayer or multi-slice 3D volumetric images and the distances to be projected of said images and also for reducing the interlayer interference in holograms for forming the multilayer 3D volumetric images by means of the random selection of the phase of the image to be formed in each layer.

IPC 8 full level

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Citation (search report)

- [X] MAKEY GHAITH ET AL: "Breaking crosstalk limits to dynamic holography using orthogonality of high-dimensional random vectors", NATURE PHOTONICS, NATURE PUBLISHING GROUP UK, LONDON, vol. 13, no. 4, 22 March 2019 (2019-03-22), pages 251 - 256, XP036738184, ISSN: 1749-4885, [retrieved on 20190322], DOI: 10.1038/S41566-019-0393-7
- See references of WO 2021141565A2

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