Title (en)

METHOD FOR AUTO-STEREOSCOPIC IMAGE DISPLAY WITH A WAVELENGTH FILTER ARRAY

Title (de)

VERFAHREN ZUR AUTOSTEREOSKOPISCHE BILDANZEIGE MIT EINEM WELLENLÄNGENFILTERARRAY

Title (fr)

PROCEDE D'AFFICHAGE VIDEO AUTOSTEREOSCOPIQUE COMPORTANT UN ENSEMBLE FILTRE DE LONGUEURS D'ONDES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO03024122A1] The invention relates to a method for spatial representation of a scene or an object, wherein several views of the scene or object are broken down into partial data which is reproduced on image reproduction elements in such a way that it is optically perceptible, adjacent image reproduction elements emit light of various wavelengths or wavelength ranges, and a propagation device is provided for the light using wavelength filters to enable an observer to perceive predominantly partial data from a first selection with one eye and to perceive predominantly partial data from a second selection with the other eye. The aim of the invention is to improve the quality of the spatial representation. According to the inventive method, partial data from at least two different views is simultaneously associated with at least one image reproduction element. The allocation of said data occurs in such a way that the wavelength of the partial data continuously matches the wavelength of the image reproduction element associated therewith or lies in the wavelength range of the light emitted by the associated image reproduction device.

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CPC (source: EP US)

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Citation (search report)

See references of WO 03024122A1

Citation (third parties)

Third party :

- WO 9827451 A1 19980625 - UNIV DRESDEN TECH [DE], et al
- US 6064424 A 20000516 - VAN BERKEL CORNELIS [GB], et al
- US 5936607 A 19990810 - ALLIO PIERRE [FR]

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