

Title (en)

A DIFFRACTIVE DEVICE WITH THREE-DIMENSIONAL EFFECTS

Title (de)

EIN DIFFRAKTIVES BAUELEMENT MIT DREIDIMENSIONALEN EFFEKTEN

Title (fr)

DISPOSITIF DE DIFFRACTION A EFFETS TRIDIMENSIONNELS

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Application

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Priority

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Abstract (en)

[origin: WO9930200A1] A diffractive device has a surface relief structure which, when illuminated by a light source, generates two or more diffraction images which, when observed by an observer from an appropriate range of viewing angles, appear as one or more three-dimensional images. Preferably, a left-eye diffraction image is generated by light diffracted from a plurality of surface regions each of which has a diffractive structure with a first orientation, and a right-eye diffraction image is generated by light diffracted from a plurality of surface regions each of which has a diffractive structure with a second orientation which differs in angle from the first orientation, and the two diffraction images when viewed by an observer from an appropriate range of viewing angles appear as a single three-dimensional image.

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