

Title (en)

OPTICAL REFLECTOR ARRAYS AND APPARATUS USING SUCH ARRAYS.

Title (de)

OPTISCHE REFLEKTORANORDNUNGEN UND SOLCHE ANORDNUNGEN VERWENDETES GERAET.

Title (fr)

GROUPEMENTS DE REFLECTEURS OPTIQUES ET APPAREIL LES UTILISANT.

Publication

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Application

**EP 93918799 A 19930906**

Priority

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Abstract (en)

[origin: WO9406046A1] An energy directing device, for use with all forms of energy having a wave-like propagation mode, consists of an array of reflecting elements. The reflecting elements are either planar reflecting strips (12, 52, 92) or channels (32) with an internal surface (or internal surfaces) which is (are) reflecting. A surface called the "surface of curvature" of the array - which may differ from the envelope of corresponding points on the elements of the array - is orthogonal to the plane of each reflecting strip, or to the axis of each internally reflecting channel. The arrays may be used to concentrate, to deflect, or to otherwise direct incident radiation. Applications of the invention include solar radiation concentrators, light wells for buildings, beam splitters, and ultrasonic lenses.

IPC 1-7

**G02B 17/00**; G02B 5/08; F24J 2/16; F21V 7/05; E04D 13/03; G10K 11/28; H01L 31/052

IPC 8 full level

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