

Title (en)

VARIABLE OPTICAL ARRAYS AND VARIABLE MANUFACTURING METHODS

Title (de)

VARIABLE OPTISCHE ARRAYS UND VARIABLE HERSTELLUNGSVERFAHREN

Title (fr)

ENSEMBLES OPTIQUES VARIABLES ET PROCEDES DE FABRICATION VARIABLES

Publication

EP 1692560 A4 20091230 (EN)

Application

EP 04816982 A 20041118

Priority

- US 2004039384 W 20041118
- US 52307603 P 20031118

Abstract (en)

[origin: WO2005050264A2] The invention divides the lens focusing process into two or more surfaces that incorporated multiple curved axial optic elements on each surface. The axial optics may be manufactured by molding, machining, or by suspended film. If suspended film is used, then both sides of an optic may have a suspended film that is transparent. Alternatively, one side of the suspend film optic may use a reflective film.

IPC 8 full level

G02B 3/00 (2006.01); **G02B 27/09** (2006.01); **G02B 27/10** (2006.01); **H01L 21/00** (2006.01); **H01L 31/0232** (2006.01); **H01L 27/146** (2006.01)

CPC (source: EP KR)

G02B 3/0012 (2013.01 - EP); **G02B 3/0043** (2013.01 - EP); **G02B 3/005** (2013.01 - EP); **G02B 3/0062** (2013.01 - EP); **G02B 27/0927** (2013.01 - EP); **G02B 27/0966** (2013.01 - EP); **G02B 27/10** (2013.01 - KR); **H01L 21/00** (2013.01 - KR); **H01L 31/0232** (2013.01 - KR); **H01L 27/14621** (2013.01 - EP)

Citation (search report)

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Citation (examination)

CHENG J-W J ET AL: "A New Approach to Polymeric Microlens Array Fabrication Using Soft Replica Molding", IEEE PHOTONICS TECHNOLOGY LETTERS, IEEE SERVICE CENTER, PISCATAWAY, NJ, US, vol. 16, no. 9, 1 September 2004 (2004-09-01), pages 2078 - 2080, XP011117784, ISSN: 1041-1135

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DOCDB simple family (application)

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