

Title (en)
PROCESS FOR PRODUCING OPTICAL COMPONENTS AND OPTICAL COMPONENT PRODUCED THEREBY

Title (de)
VERFAHREN ZUR HERSTELLUNG VON OPTISCHEN BAUELEMENTEN UND OPTISCHES BAUELEMENT

Title (fr)
PROCEDE DE PRODUCTION DE COMPOSANTS OPTIQUES ET COMPOSANT OPTIQUE AINSI OBTENU

Publication
EP 0877965 A1 19981118 (DE)

Application
EP 97915270 A 19970131

Priority
• DE 9700184 W 19970131
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Abstract (en)
[origin: US6178281B1] A method for the manufacture of optical components, at least one three-dimensional optical waveguide structure being produced in a light-sensitive substrate by locally subjecting the substrate to an exposure so that a difference in refractive index between the substrate and the at least one optical waveguide structure is created. Provision is made for an exposure to occur at least twice, at different angles of incidence for the light perpendicular to a light wave propagation direction of the optical waveguide structure; the substrate surrounding what will later be the optical waveguide structure thereby experiences a diminution in refractive index, the optical waveguide structure being defined using a mask.

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G02B 6/13

IPC 8 full level
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