

Title (en)

METHOD FOR PRODUCING AN INTEGRATED OPTICAL WAVEGUIDE COMPONENT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES INTEGRIERT-OPTISCHEN WELLENLEITERBAUTEILS

Title (fr)

PROCEDE DE FABRICATION D'UN COMPOSANT A FIBRE OPTIQUE INTEGREE

Publication

EP 0990183 A1 20000405 (DE)

Application

EP 98928080 A 19980327

Priority

- DE 9800888 W 19980327
- DE 19725471 A 19970617

Abstract (en)

[origin: WO9858284A1] The invention relates to a method for producing an integrated optical waveguide component. In order to prepare waveguides, a polymer substrate with waveguide channels is produced and then filled with an adhesive. A strip-off lid is placed on the substrate at high temperature. The device is then cooled until the strip-off lid can be removed easily from the substrate, as its expansion coefficients are less than those of the substrate. An adhesive can thus be introduced between the lid and the substrate. The device is then heated again for the adhesive to harden. The substrate is thus pressed against the strip-off lid, and the adhesive is pressed into the wave guide channels.

IPC 1-7

G02B 6/30

IPC 8 full level

G02B 6/122 (2006.01); **G02B 6/30** (2006.01)

CPC (source: EP)

G02B 6/1221 (2013.01); **G02B 6/30** (2013.01)

Citation (search report)

See references of WO 9858284A1

Designated contracting state (EPC)

CH FR GB LI SE

DOCDB simple family (publication)

WO 9858284 A1 19981223; EP 0990183 A1 20000405

DOCDB simple family (application)

DE 9800888 W 19980327; EP 98928080 A 19980327