

Title (en)
PROCESS FOR THE HYBRID INTEGRATION OF AT LEAST ONE OPTO-ELECTRONIC COMPONENT AND A WAVEGUIDE, AND AN INTEGRATED ELECTRO-OPTICAL DEVICE

Title (de)
VERFAHREN ZUR HYBRIDINTEGRATION VON WENIGSTENS EINER ELEKTROOPTISCHEN KOMPONENTE UND EINES WELLENLEITERS, SOWIE EINE INTEGRIERTE ELEKTROOPTISCHE VORRICHTUNG

Title (fr)
PROCEDE D'INTEGRATION HYBRIDE D'AU MOINS UN COMPOSANT OPTOELECTRONIQUE ET D'UN GUIDE D'ONDES, ET DISPOSITIF ELECTRO-OPTIQUE INTEGRE

Publication
EP 0892934 A1 19990127 (EN)

Application
EP 97916434 A 19970401

Priority
• EP 9701693 W 19970401
• NL 1002752 A 19960401

Abstract (en)
[origin: WO9737261A1] The invention pertains to a process for the hybrid integration of at least one opto-electronic component (9) and a waveguide (14) provided on a substrate (13), in which process one or more opto-electronic components are provided on a connector piece (6) and the connector piece (6) is placed on the substrate (13) and moved up to the edge of the waveguide (14), with the shape of the connector piece (6) being wholly or largely complementary, and the connector piece (6) when it abuts against the edge of the waveguide (14) having only one degree of freedom in the plane of the substrate (13). The process provides an easy way of producing integrated electro-optical devices.

IPC 1-7
G02B 6/42

IPC 8 full level
G02B 6/122 (2006.01); **G02B 6/42** (2006.01)

CPC (source: EP KR)
G02B 6/42 (2013.01 - KR); **G02B 6/4214** (2013.01 - EP); **G02B 6/423** (2013.01 - EP); **G02B 6/4292** (2013.01 - EP)

Citation (search report)
See references of WO 9737261A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9737261 A1 19971009; AU 2508497 A 19971022; AU 715381 B2 20000203; CA 2250517 A1 19971009; CN 1215480 A 19990428; EP 0892934 A1 19990127; JP 2000507713 A 20000620; KR 20000004926 A 20000125; NL 1002752 C2 19971002

DOCDB simple family (application)
EP 9701693 W 19970401; AU 2508497 A 19970401; CA 2250517 A 19970401; CN 97193532 A 19970401; EP 97916434 A 19970401; JP 53495197 A 19970401; KR 19980707490 A 19980922; NL 1002752 A 19960401