

Title (en)  
TUNABLE OPTICAL DEVICE

Title (de)  
ABSTIMMBARE OPTISCHE VORRICHTUNG

Title (fr)  
DISPOSITIF OPTIQUE ACCORDABLE

Publication  
**EP 1047974 A1 20001102 (EN)**

Application  
**EP 98959051 A 19981211**

Priority  
• EP 98959051 A 19981211  
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• GB 9803713 W 19981211

Abstract (en)  
[origin: EP0926536A1] A method of fabricating a tunable optical device, and a device fabricated according to the method, where the tuning means include a liquid crystal material (5) in an enclosed cavity (3) fabricated over an optical element (1), typically a waveguide, and the cavity is created by the removal, through selective etching, of a layer of quaternary indium gallium arsenide phosphide (18) through a slot (8) etched in a layer of indium phosphide (4) formed over the quaternary layer.

IPC 1-7  
**G02F 1/1333**; **G02F 1/1339**

IPC 8 full level  
**G02F 1/1333** (2006.01); **G02F 1/1339** (2006.01); **G02F 1/1337** (2006.01)

CPC (source: EP)  
**G02F 1/1326** (2013.01); **G02F 1/1339** (2013.01); **G02F 1/1337** (2013.01)

Citation (search report)  
See references of WO 9934249A1

Designated contracting state (EPC)  
DE FR GB IE IT

DOCDB simple family (publication)  
**EP 0926536 A1 19990630**; CA 2310811 A1 19990708; EP 1047974 A1 20001102; WO 9934249 A1 19990708; WO 9934249 A8 19990916

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