

Publication

EP 0547077 A4 19940216

Application

EP 91914812 A 19910807

Priority

- US 57722090 A 19900831
- US 59847690 A 19901016
- US 67776991 A 19910329

Abstract (en)

[origin: WO9204653A1] A tunable liquid-crystal etalon filter comprising two dielectric stack mirrors (18, 20) defining an optical cavity into which is filled a liquid crystal (26). Electrodes (14, 16) disposed on the outsides of the mirrors apply an electric field to the liquid crystal, changing its refractive index and thereby changing its optical length. Thereby, the optical pass band of the filter can be electrically changed in a low-powered, compact, rugged, and economical structure.

IPC 1-7

G02F 1/133

IPC 8 full level

G01J 3/26 (2006.01); **G02F 1/01** (2006.01); **G02F 1/13** (2006.01); **G02F 1/137** (2006.01); **G02F 1/21** (2006.01); **H04B 10/135** (2006.01); **H04B 10/25** (2013.01); **G02F 1/139** (2006.01)

CPC (source: EP)

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Citation (search report)

- [PYPA] US 4973124 A 19901127 - KAEDE KAZUHISA [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 8, no. 242 (P - 311) 7 November 1984 (1984-11-07)
- See references of WO 9204653A1

Designated contracting state (EPC)

FR GB NL

DOCDB simple family (publication)

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