

Title (en)

LIQUID CRYSTAL CELL FOR USE IN COHERENT BEAMS

Title (de)

FLÜSSIGKRISTALLZELLE ZUR VERWENDUNG IN KOHDRENTEN STRAHLEN

Title (fr)

CELLULE A CRISTAUX LIQUIDES DESTINES AUX FAISCEAUX COHERENTS

Publication

**EP 1295165 A4 20050316 (EN)**

Application

**EP 01927331 A 20010425**

Priority

- US 0113231 W 20010425
- US 19945600 P 20000425

Abstract (en)

[origin: WO0181990A1] A liquid crystal cell assembly (30) is described which eliminates high-order multiple-beam interference from reflections at the interfaces between the various elements. It can incorporate fixed retarders (35) for compensation or production of high retardances. The invention enables standard, economical methods to be used in making the liquid crystal cell (31), retarder elements (35), optical coatings (37), and overall assembly. Transmissive and reflective embodiments are shown.

IPC 1-7

**G02F 1/13**; **G02F 1/1335**

IPC 8 full level

**G02F 1/1335** (2006.01)

CPC (source: EP)

**G02F 1/133502** (2013.01)

Citation (search report)

- [X] US 5477351 A 19951219 - TAKAHARA HIROSHI [JP], et al
- [XY] US 4195915 A 19800401 - COOK LACY G [US], et al
- [Y] US 4364639 A 19821221 - SINCLAIR WILLIAM J, et al
- See references of WO 0181990A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 0181990 A1 20011101**; AU 5379401 A 20011107; EP 1295165 A1 20030326; EP 1295165 A4 20050316

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