

Title (en)

ELECTRONIC DEVICES BASED ON DISCOTIC LIQUID CRYSTALS

Title (de)

ELEKTRONISCHE VORRICHTUNGEN AUF BASIS VON DISKATISCHEN FLÜSSIGKRISTALLEN

Title (fr)

DISPOSITIFS ELECTRONIQUES A BASE DE CRISTAUX LIQUIDES DISCOIDES

Publication

**EP 0827635 A1 19980311 (EN)**

Application

**EP 96909217 A 19960328**

Priority

- GB 9600744 W 19960328
- GB 9509729 A 19950513

Abstract (en)

[origin: WO9636082A1] This invention relates to electronic devices including discotic liquid crystals, either doped or undoped, and more specifically to discotic liquid crystals positioned between a pair of opposing first and second electrodes. The various arrangements described may be used in a variety of electronic devices such as temperature sensors, field effect transistors, light sensing devices, non-linear optical devices, chemical and radiation sensing devices and fluorescent devices.

IPC 1-7

**H01L 51/20**; H01L 51/30

IPC 8 full level

**G11C 13/02** (2006.01); **H01L 29/786** (2006.01); **H10K 99/00** (2023.01)

CPC (source: EP)

**B82Y 10/00** (2013.01); **G11C 13/0014** (2013.01); **G11C 13/0016** (2013.01); **H10K 85/622** (2023.02); **H10K 85/731** (2023.02)

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 9636082 A1 19961114**; AU 5279396 A 19961129; EP 0827635 A1 19980311; GB 9509729 D0 19950705; JP H11505068 A 19990511

DOCDB simple family (application)

**GB 9600744 W 19960328**; AU 5279396 A 19960328; EP 96909217 A 19960328; GB 9509729 A 19950513; JP 53384996 A 19960328