

Title (en)

ESTER COMPOUNDS AND THEIR USE IN LIQUID CRYSTALLINE MEDIA

Title (de)

ESTERVERBINDUNGEN UND DEREN VERWENDUNG IN FLÜSSIGKRISTALLINEN MEDIEN

Title (fr)

COMPOSES ESTER ET LEUR UTILISATION DANS DES MILIEUX A CRISTAUX LIQUIDES

Publication

EP 1228163 A1 20020807 (DE)

Application

EP 00967750 A 20000922

Priority

- DE 19949333 A 19991013
- EP 0009287 W 20000922

Abstract (en)

[origin: DE19949333A1] The invention relates to compounds of formula (I) and to a liquid crystalline medium based on a mixture of polar compounds with positive dielectric anisotropy. The mixture is characterized in that it contains one or more compounds of general formula (I), wherein R, A<1>, A<2>, Z<1>, Y, Z, L<1>, L<2> and m have the meanings cited in Claim No. 1.

IPC 1-7

C09K 19/30; C09K 19/42; C09K 19/46

IPC 8 full level

C07C 43/23 (2006.01); **C07C 69/75** (2006.01); **C07C 69/753** (2006.01); **C07D 319/06** (2006.01); **C09K 19/20** (2006.01); **C09K 19/30** (2006.01); **C09K 19/32** (2006.01); **C09K 19/34** (2006.01); **C09K 19/42** (2006.01); **C09K 19/46** (2006.01); **G02F 1/13** (2006.01)

CPC (source: EP KR US)

C09K 19/3001 (2013.01 - EP KR US); **C09K 19/3068** (2013.01 - EP KR US); **C09K 19/42** (2013.01 - EP US); **C09K 19/46** (2013.01 - EP KR US); **C09K 2323/00** (2020.08 - EP US)

Citation (search report)

See references of WO 0127221A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19949333 A1 20010419; AU 7780400 A 20010423; EP 1228163 A1 20020807; JP 2003511544 A 20030325; KR 20020042861 A 20020607; US 7074462 B1 20060711; WO 0127221 A1 20010419

DOCDB simple family (application)

DE 19949333 A 19991013; AU 7780400 A 20000922; EP 0009287 W 20000922; EP 00967750 A 20000922; JP 2001530427 A 20000922; KR 20027004469 A 20020406; US 11072002 A 20020415