

Title (en)
LIQUID-CRYSTALLINE MEDIUM

Title (de)
FLÜSSIGKRISTALLINES MEDIUM

Title (fr)
CRISTAL LIQUIDE

Publication
EP 1629064 A1 20060301 (DE)

Application
EP 04739214 A 20040514

Priority
• EP 2004005234 W 20040514
• DE 10322908 A 20030521

Abstract (en)
[origin: WO2004104137A1] The invention relates to a liquid-crystalline medium based on a mixture of polar compounds. Said medium is characterised in that it contains one or more compounds of formula (I), in which R<1>, L<1> and L<2> are defined as cited in claim (1). The invention also relates to the use of said compounds for electro-optical purposes, in particular TN monitor applications.

IPC 1-7
C09K 19/30

IPC 8 full level
C09K 19/30 (2006.01)

CPC (source: EP KR US)
C09K 19/3048 (2013.01 - EP KR US); **C09K 19/42** (2013.01 - KR); **G02F 1/13** (2013.01 - KR); **C09K 2019/0459** (2013.01 - EP KR US);
C09K 2323/00 (2020.08 - EP US)

Citation (search report)
See references of WO 2004104137A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004104137 A1 20041202; CN 100480355 C 20090422; CN 1791659 A 20060621; DE 102004024456 A1 20041209;
DE 102004024456 B4 20160512; EP 1629064 A1 20060301; EP 2295520 A2 20110316; EP 2295520 A3 20110803; JP 2007504340 A 20070301;
KR 20060003116 A 20060109; TW 200502365 A 20050116; US 2007034830 A1 20070215; US 7419705 B2 20080902

DOCDB simple family (application)
EP 2004005234 W 20040514; CN 200480013856 A 20040514; DE 102004024456 A 20040514; EP 04739214 A 20040514;
EP 10009551 A 20040514; JP 2006529835 A 20040514; KR 20057022029 A 20051118; TW 93114489 A 20040521; US 55748104 A 20040514