

Title (en)

4,6-DIFLUORODIBENZOTHIOPHENE DERIVATIVES AND LIQUID-CRYSTAL MEDIUM CONTAINING THESE

Title (de)

4,6-DIFLUORDIBENZOTHIOPHENDERIVATE UND DIESE ENTHALTENDES FLÜSSIGKRISTALLINES MEDIUM

Title (fr)

DÉRIVÉS DE 4,6-DIFLUORODIBENZOTHIOPHÈNE ET MILIEU DE CRISTAUX LIQUIDES LES CONTENANT

Publication

EP 4229046 A1 20230823 (EN)

Application

EP 21790221 A 20211015

Priority

- EP 20202543 A 20201019
- EP 2021078562 W 20211015

Abstract (en)

[origin: WO2022084168A1] The present invention relates to 4,6-difluorodibenzothiophene derivatives of formulae I-1 and I-2, to a process for the preparation thereof, to liquid-crystalline (LC) media comprising these derivatives and to electro-optical devices and in particular displays containing these liquid-crystalline media.

IPC 8 full level

C07D 333/64 (2006.01); **C07D 409/12** (2006.01); **C09K 19/34** (2006.01)

CPC (source: EP)

C07D 333/64 (2013.01); **C07D 409/12** (2013.01); **C09K 19/3491** (2013.01); **C09K 2019/0466** (2013.01); **C09K 2019/122** (2013.01); **C09K 2019/3004** (2013.01); **C09K 2019/301** (2013.01); **C09K 2019/3025** (2013.01)

Citation (search report)

See references of WO 2022084168A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022084168 A1 20220428; CN 116368132 A 20230630; EP 4229046 A1 20230823; TW 202222791 A 20220616

DOCDB simple family (application)

EP 2021078562 W 20211015; CN 202180071095 A 20211015; EP 21790221 A 20211015; TW 110138478 A 20211018