

Title (en)
NOVEL PYRIDONE DYES

Title (de)
NEUE PYRIDON-FARBMITTEL

Title (fr)
NOUVEAUX COLORANTS À BASE DE PYRIDONE

Publication
EP 3116856 A1 20170118 (DE)

Application
EP 15710105 A 20150305

Priority
• DE 102014003307 A 20140308
• EP 2015000490 W 20150305

Abstract (en)
[origin: WO2015135633A1] The invention relates to compounds of formula (I), wherein R0 represents C1-C6-alkyl or CF3; R1 represents sulfo, carboxy, C1-C4-alkylene-sulfo, C1-C4-alkylene-carboxy, CONH2, CONH(C1-C4-alkyl) or CN, R2 represents C1-C18-alkyl, C2-C18-alkenyl, hydroxy-C1-C18-alkyl or -(C1-C6-alkylene-O-)m-R, wherein R represents H, C1-C16-alkyl or hydroxy-C1-C16-alkyl and m is an integer between 1 to 20, R3H, sulfo, carboxy, C1-C6-alkyl or C1-C6-alkoxy, R4H, C1-C6-alkyl or C1-C6-alkoxy, R5OH, OM, C1-C6-alkyl, unsubstituted C6-C10-aryl or C6-C10-aryl substituted by C1-C6-alkyl, halogen, e.g., F, Cl, Br, carboxy or sulfo, wherein the compound of formula (I) contains at least one anionic group from the group of sulfo and carboxy with the counter cation M+, wherein M+ represents an alkali metal cation or an organic cation. Compounds of formula (I) are especially suited for use in color filters.

IPC 8 full level
C07D 213/77 (2006.01); **C09B 35/03** (2006.01)

CPC (source: EP KR US)
C07D 213/77 (2013.01 - EP KR US); **C09B 29/0048** (2013.01 - KR); **C09B 29/3626** (2013.01 - US); **G02B 5/223** (2013.01 - US); **G02F 1/133514** (2013.01 - KR); **H10K 59/38** (2023.02 - KR)

Citation (search report)
See references of WO 2015135633A1

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

DOCDB simple family (publication)
DE 102014003307 A1 20150910; CN 106458906 A 20170222; EP 3116856 A1 20170118; JP 2017513966 A 20170601; KR 20160130826 A 20161114; TW 201602082 A 20160116; US 2017015829 A1 20170119; WO 2015135633 A1 20150917

DOCDB simple family (application)
DE 102014003307 A 20140308; CN 201580012660 A 20150305; EP 15710105 A 20150305; EP 2015000490 W 20150305; JP 2016555649 A 20150305; KR 20167027689 A 20150305; TW 104107207 A 20150306; US 201515124609 A 20150305