

Title (en)
PYRIDONE DYE COMPOSITION

Title (de)
PYRIDON-FARBMITTELZUSAMMENSETZUNG

Title (fr)
COMPOSITION DE COLORANT À BASE DE PYRIDONE

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Application
EP 15712521 A 20150305

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Abstract (en)
[origin: WO2015135634A1] The invention relates to a dye composition containing at least one compound of the formula (I) and at least one pigment. The compounds of the formula (I) have the following general formula, in which 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-C6 alkyl, or hydroxy C1-C16 alkyl, and m represents a number from 1 to 20; R3 represents H, sulfo, carboxy, C1-C6 alkyl, or C1-C6 alkoxy; R4 represents H, C1-C6 alkyl, or C1-C6 alkoxy; R5 represents OH, OM, C1-C6 alkyl, unsubstituted C6-C10 aryl, or C6-C10 aryl substituted with C1-C6 alkyl, halogen, for example F, Cl, Br, carboxy, or sulfo. The compounds of formula (I) contain at least one anionic group from the group of sulfo and carboxy with the counter-cation M+, M+ representing an alkali metal cation or an organic cation. The dye compositions are suitable for use in color filters in particular.

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