Title (en)

METHOD FOR PRODUCING POLYMERIZABLE LIQUID CRYSTAL COMPOUNDS

Title (de)

VERFAHREN ZUR HERSTELLUNG POLYMERISIERBARER FLÜSSIGKRISTALLINER VERBINDUNGEN

Title (fr)

PROCEDE DE PREPARATION DE COMPOSES POLYMERISABLES A CRISTAUX LIQUIDES

Publication

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Application

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Abstract (en)

[origin: DE19716822A1] The invention relates to a method for producing liquid crystal compounds of formula (I) or mixtures of liquid crystal compounds of formula (I), wherein the variables have the following meanings: P<1> and P<2> = hydrogen, C1-C4-alkyl or reactive radicals by means of which polymerization can be induced; Y<1> and Y<2> = simple chemical bonds, oxygen, sulfur, -O-CO-, -CO-O, -O-CO-O, -CO-NR-, -NR-CO-, -O-CO-NR, -NR-CO-O- or -NR-CO-NR-; R = hydrogen or C1-C4-alkyl; A<1> and A<2> = spacer with one to 30 C-atoms in which the carbon chain has been broken by oxygen in the ether function, sulfur in the thioether function or by non-neighboring imino or C1-C4-alkyl imino groups; and m = a mesogene group. The invention also relates to compositions containing compounds of formula (I) and compositions which can be obtained using the inventive method. The invention further relates to a method for printing and coating objects with compounds of formula (I), with compositions containing compounds of formula (I) or compositions which can be obtained using the inventive method or the objects thus printed or coated. In addition, the invention relates to the use of said compounds or compositions for producing optical components or liquid crystal colorants, as well as to liquid crystal colorants and aqueous emulsion or dispersion containing said compounds or compositions and to pigments which can be obtained form said compounds or compositions.

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C09K 19/20; C07C 67/31

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