

LIQUID CRYSTALLINE COMPOUNDS



162162

ABSTRACT



G00002

A compound is of formula (I): wherein: MG^1 and MG^3 each independently represent an optically-substituted aliphatic group with 1 to 80 C-atoms, in which one or more C-atoms may be replaced by a heteroatom, in such a way that oxygen atoms are not linked to one another; or an optically-substituted aromatic or non-aromatic carbocyclic or heteroatom ring system, with 1 to 80 C-atoms; and MG^2 represents a group comprising at least two and up to four optionally-substituted aromatic or non-aromatic carbocyclic or heterocyclic ring system, with 1 to 80 C-atoms, wherein, when MG^2 represents a group comprising four optionally-substituted ring systems, at least three of the ring systems are aligned in between B^1 and B^2 . The groups MG^1 , MG^2 and MG^3 in these new "staircase molecules" may be selected so that each has one or more of the properties which are required in an LCP material prepared by polymerising the compound.