

Title (en)
CHOLESTERIC OLIGOMERS WITH CROSS-LINKED END GROUPS

Title (de)
CHOLESTERISCHE OLIGOMERE MIT VERNETZBAREN ENDGRUPPEN

Title (fr)
OLIGOMERES CHOLESTERIQUES A GROUPES TERMINAUX RETICULABLES

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Application
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Abstract (en)
[origin: DE19749123A1] The invention relates to cholesteric oligomers of formula (I) $[(Z_{n<1>-}Y_{<1>-})(A-Y_{<2>-})_q(B-Y_{<3>-})_pZ_{<2>-}]$, wherein n represents a value from 0 to 1 in the agent, q represents a value from 0.1 to 2 in the agent, p represents a value from 1 to 20 in the agent, A represents a chiral group, B represents a mesogene group. $Y_{<1>-}$, $Y_{<2>-}$ and $Y_{<3>-}$, independent of one another, represent a group of formula -CO-O-, -O-CO- or -O-CO-O-, whereby the q-units (A- $Y_{<2>-}$) and the p-units (B- $Y_{<3>-}$) exist in any sequence, the q-groups A are the same or different and the p-groups B are also the same or different. In addition, $Z_{<1>-}$ and $Z_{<2>-}$, independent of one another, represent a group of formula W-Q-, wherein Q represents a chemical bonding or one or multiple substituted alkylene-spacers or arylene-spacers; and W represents a cross-linked heterocyclic group. The invention also relates to a method for producing and utilizing said cholesteric oligomers.

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