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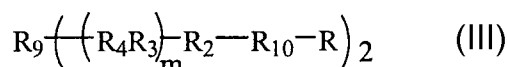
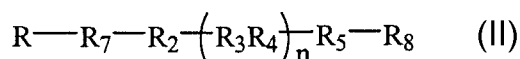
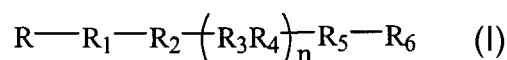
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[Continued on next page]

(54) Title: CHOLESTERIC LIQUID CRYSTAL COPOLYMERS AND ADDITIVES



-N=CH-, or -NC(O)-; R₅ is a bond, cycloalkylene, cycloalkenylene, heterocyclylene, arylene, or hetroarylene; R₆ is hydrogen, cyano, halo, (C₁-C₈) alkoxy, (C₁-C₈) alkyl, nitro, amino, carboxy, mercapto, (C₁-C₄)thioalkyl, COCH₃, CF₃, OCF₃, or SCF₃; R₇ is a (C₁-C₂) alkylene, (C₂) alkenylene, or (C₂) alkylene; R₈ is hydrogen, halo, (C₁-C₈) alkoxy, (C₁-C₈) alkyl, nitro, amino, carboxy, mercapto, (C₁-C₄)thioalkyl, COCH₃, CF₃, OCF₃, or SCF₃; R₉ is a cycloalkylene, cycloalkenylene, heterocyclylene, arylene, or hetroarylene; and R₁₀ is a (C₁-C₈) alkylene, (C₂-C₈) alkenylene, or (C₂-C₈) alkylene.

(57) Abstract: A cholesteric liquid crystal composition includes a) a cholesteric liquid crystal compound or a cholesteric liquid crystal precursor; and b) a compound of formula (I), formula (II) or formula (III): where, n is 1, 2, 3, or 4; m is 1, 2, or 3; R is an acrylate, methacrylate, acrylamide, isocyanate, epoxy, or silane; R₁ is a (C₃-C₈) alkylene, (C₃-C₈) alkenylene, or (C₃-C₈) alkylene; R₂ is a bond, -O-, -C(O)O-, -O(O)C-, -OC(O)O-, -C(O)N-, -CH=N-, -N=CH-, or -NC(O)-; R₃ is a cycloalkylene, cycloalkenylene, heterocyclylene, arylene, or hetroarylene; R₄ is a bond, (C₁-C₈) alkylene, (C₂-C₈) alkenylene, (C₂-C₈) alkylene, carbonyl, -O-, -C(O)O-, -O(O)C-, -OC(O)O-, -C(O)N-, -CH=N-,

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