

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 September 2004 (10.09.2004)

PCT

(10) International Publication Number
WO 2004/076588 A1

(51) International Patent Classification⁷: **C09K 19/52**

(21) International Application Number:
PCT/US2004/000549

(22) International Filing Date: 12 January 2004 (12.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/373,127 24 February 2003 (24.02.2003) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

Published:

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CHOLESTERIC LIQUID CRYSTAL DRYING PROCESS AND SOLVENT

(57) Abstract: The invention provides methods of forming a cholesteric liquid crystal layer that include forming a cholesteric liquid crystal composition, depositing the cholesteric liquid crystal composition onto a substrate, and initially drying the cholesteric liquid crystal composition at a temperature at or below about 90 °C so that the cholesteric liquid crystal composition has at least 80 % solids remaining. The invention also provides methods of forming a cholesteric liquid crystal layer that include forming a cholesteric liquid crystal composition, depositing the cholesteric liquid crystal composition onto a substrate, and initially drying the cholesteric liquid crystal composition at a temperature at or below about 90 °C, wherein the drying is accomplished using a technique that provides little or no airflow. The invention further provides a cholesteric liquid crystal composition that includes at least one cholesteric liquid crystal precursor and 1,3-dioxolane.

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