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(71) Applicant: **3M INNOVATIVE PROPERTIES COMPANY** [US/US]; 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

(72) Inventors: **BOWLEY, Christopher C.**; Post Office Box 33427, Saint Paul, MN 55133-3427 (US). **EBIHARA, Ikuko**; Post Office Box 33427, Saint Paul, MN 55133-3427 (US). **GILLIGAN, Gregory E.**; Post Office Box 33427, Saint Paul, MN 55133-3427 (US). **POKORNY, Richard J.**; Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

Paul, MN 55133-3427 (US). **RADCLIFFE, Marc D.**; Post Office Box 33427, Saint Paul, MN 55133-3427 (US). **RAO, Prabhakara S.**; Post Office Box 33427, Saint Paul, MN 55133-3427 (US). **WATSON, Philip E.**; Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

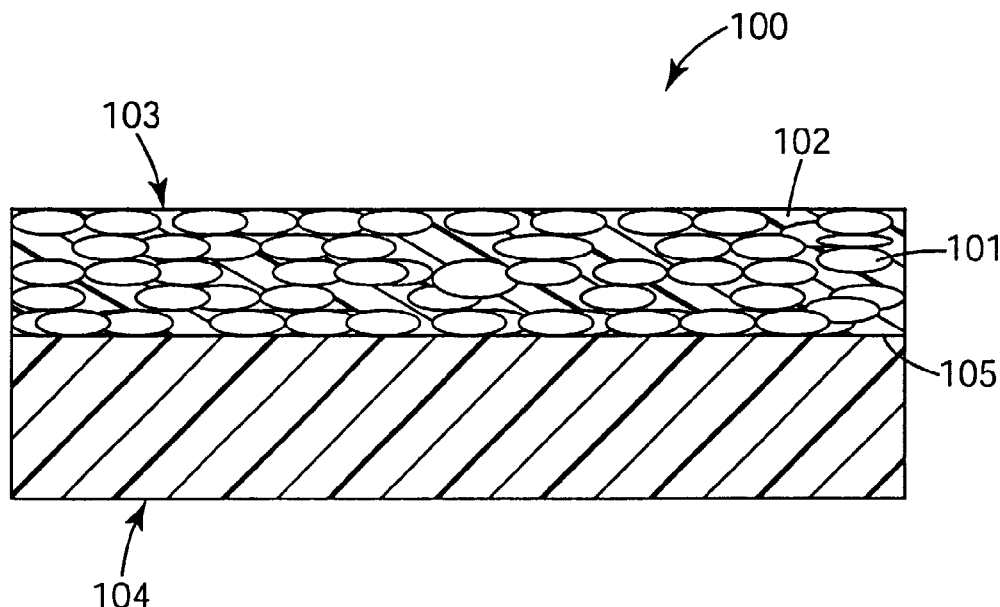
(74) Agents: **BLACK, Bruce, E.** et al.; Office of Intellectual Property Counsel, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

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(54) Title: CHOLESTERIC LIQUID CRYSTAL OPTICAL BODIES AND METHODS OF MANUFACTURE AND USE



(57) Abstract: An optical body includes a) first particles comprising a first cholesteric liquid crystal material and b) a second cholesteric liquid crystal material. The first particles and the second cholesteric liquid crystal material form a structure where the first cholesteric liquid crystal material has a pitch that is different than the second cholesteric liquid crystal material. In one example, the second cholesteric liquid crystal material is in the form of second particles. In another example, the first particles are dispersed in a matrix of the second cholesteric liquid crystal material. In other examples, the optical body has more than one layer. In addition, one or more additional cholesteric liquid crystal materials can be used in the optical body. These optical bodies can be used as a reflective polarizer and can be used in a display.



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