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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) Inventor: **KOTCHICK, Keith, M.**; Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

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

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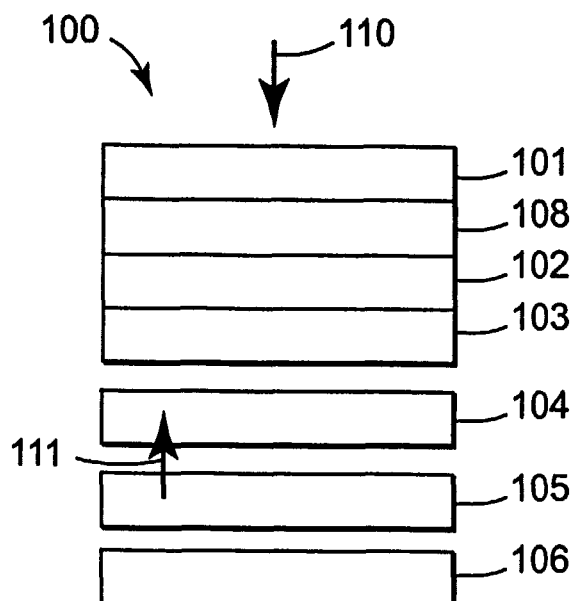
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(54) Title: OPTICAL DEVICES HAVING REFLECTIVE AND TRANSMISSIVE MODES FOR DISPLAY



(57) Abstract: Display apparatuses are shown capable of displaying information in a reflective mode using only ambient light and in a transmissive mode using a light source. In one embodiment, the display apparatus includes a reflecting polarizer disposed between a light modulating layer and an isotropic light cavity. The light cavity reflects incident light with a first degree of depolarization. The reflecting polarizer reflects light with a second degree of depolarization for at least one polarization that is greater than the first degree of depolarization. In another embodiment of the display apparatus, a microstructured film is included above a light cavity and below a light modulating system where the microstructured film includes sawtooth formations having at least a tilted surface. In another embodiment of a dual-mode display device, the display includes a cholesteric reflecting polarizer disposed between a light modulating layer and a light cavity where the light cavity causes a polarization phase shift upon reflectance.



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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*

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