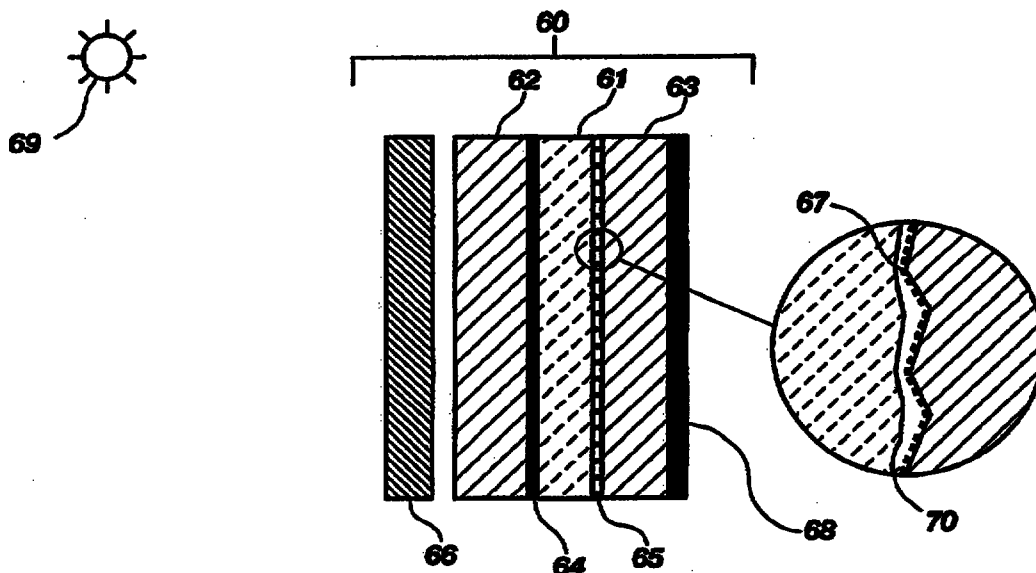




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(54) Title: REFLECTIVE OPTICAL POLARIZER DEVICE WITH CONTROLLED LIGHT DISTRIBUTION AND LIQUID CRYSTAL DISPLAY INCORPORATING THE SAME

**(57) Abstract**

An optical polarizer device (45) that reflects light of one polarization over a controlled angular range, and improved twisted nematic liquid crystal display devices (60) incorporating the same, is comprised of a grid of conductive elements (46) supported on a textured substrate (47) such that light of one polarization is transmitted through the grid while light of the orthogonal polarization is reflected. The angular distribution of the reflected light is determined by the texture of the substrate. Liquid crystal display embodiments include a configuration intended exclusively for front illumination by ambient light and a configuration which may use either front-illumination or back-illumination by an internal light source.