

ABSTRACT

CHOLESTERIC LIQUID CRYSTAL CELL WITH INCREASED REFLECTIVITY

5 The invention relates to a reflecting cell (1) comprising at least two substrates (2a,2b) covered by an electrode (3a,3b) and facing each other, the substrates delimiting between them a volume which separates them and which is filled with a cholesteric liquid crystal-type
10 material, both electrodes being intended to be connected to a voltage source (5). This cell is characterized in that it comprises at least one half-wave plate (6) arranged between both substrates (2a,2b) and dividing the volume (4) into two compartments (4a,4b), each enclosing a part (8a,8b) of a same
15 cholesteric liquid crystal.

Figure to be published with abstract: Figure 2