

The invention relates to means for representation of information on liquid crystals. Methods are proposed for construction of low-voltage devices for representation of information on cholesteric liquid crystals (CLC) with spiral pitch of spiral, in which optical contrast is achieved with change of angular characteristics of selective dissipation of equilibrium flat Granzhan texture and reformed planar texture that comes to existence due to field (current-less) dielectric instability. In one of versions of the invention spatial separation of CLC cell to separate domains is formed, by means of formation of relief on surface that adjoins layer of liquid crystal. In the other variant polydomain structure of CLC is formed, with variable twist moment in neighboring domains on basis of orientation effects. In the basis of third variant there is induced re-orientation of director by means of electric field in surface layer of liquid crystal. At that on surface of one of plates special system of ridge electrodes is formed, those are placed in one plane, with provision of orthogonal orientation of director in neighboring domains under effect of electric field. The invention provides increase of uniformity of optical response according to control voltage within limits of all informational field of display.