

ABSTRACT

The invention relates to a variable transparency electro-optical device comprising :

- at least one lens formed by an electro-optical cell (4) comprising a first plate (6) and a second plate (8) each provided with a control electrode (14, 16) and a sealing frame (10) interposed between the two plates to form a sealed volume enclosing an electro-optical material (12),

- voltage generating means (18) connected to said electrodes to apply a variable voltage to said material in order to automatically or manually vary the transmission of the cell (4) as a function of the ambient light. According to the invention the cell (4) comprises at least one element (6) charged with a photochromic substance having an absorption that varies in reversible manner as a function of the intensity of the ambient light.

The invention has particular applications in devices for protecting the eyes.

Figure 2