

Abstract

ELECTRONIC SWITCHING ELEMENT

The invention relates to an electronic switching element (1) which comprises, in this sequence, a first electrode (16), a molecular layer (18) bonded to a substrate, and a second electrode (20), where the molecular layer essentially consists of compounds of the formula I indicated in Claim 1, in which a mesogenic radical is bonded to the substrate via a spacer group (Sp) by means of an anchor group (G), is suitable for the production of components (1) as memristive device for digital information storage.

(FIG. 1)