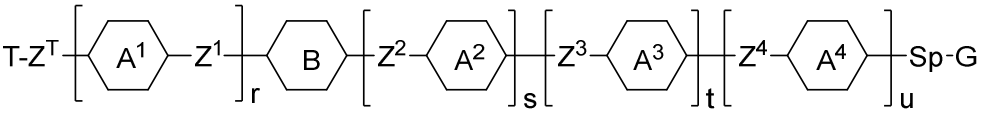
Abstract

Electronic Switching Device

The present invention relates to an electronic switching device, in particular to tunnel junctions, comprising an organic molecular layer for use in memory, sensors, field-effect transistors or Josephson junctions. More particularly, the invention is included in the field of random access non-volatile memristive memories (RRAM). Another aspect of the invention relates to a compound of formula I



I

in which the occurring groups have the meanings defined in claim 1, for use in the molecular layer. The invention further relates to the use of said molecular layer and to processes for the production and operation of the electronic switching element and components based thereon.

(Fig. 2)