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(54) Title: DIAMONDOID COMPOUNDS

(57) Abstract: The present invention relates to diamondoid compounds of formula (I): $D^1-Z^D-(A^1-Z^1)_r-B^1-(Z^2-A^2)_s-Sp-G$, in which the occurring groups and parameters have the meanings given in claim 1, to the use thereof for the formation of molecular layers, in particular self assembled monolayers (SAM), to a process for the fabrication of a switching element for memristive devices comprising said molecular layers and to a memristic device comprising said switching element.



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