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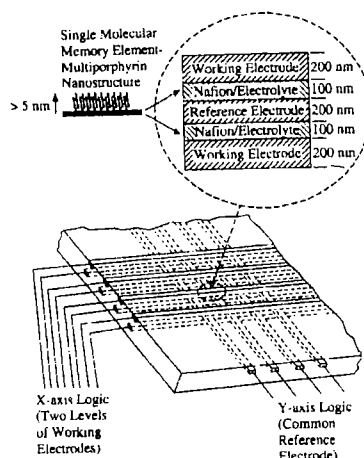
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(54) Title: SUBSTRATES CARRYING POLYMERS OF LINKED SANDWICH COORDINATION COMPOUNDS AND METHODS OF USE THEREOF



(57) Abstract: The present invention provides high density, non-volatile memory devices incorporating polymers comprised of sandwich coordination compounds (fig.5, fig.6). Such polymers can have multiple different and distinguishable oxidation states (e.g., ten different and distinguishable oxidation states), and thus provide molecules, information storage media and apparatus that store multiple bits of information. In addition, the polymers can be immobilized or bound to a substrate to produce other useful articles, such as electrochromic displays (221), molecular capacitors (208), and batteries (222).

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