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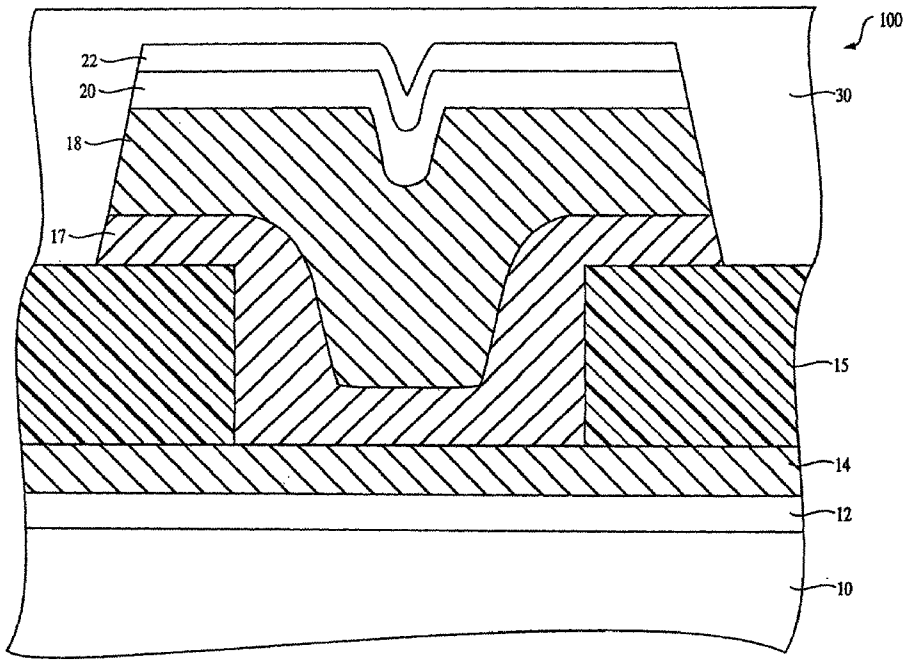
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(54) Title: SILVER-SELENIDE/CHALCOGENIDE GLASS STACK FOR RESISTANCE VARIABLE MEMORY



(57) Abstract: The invention is related to methods and apparatus for providing a resistance variable memory element with improved data retention and switching characteristics. According to an embodiment of the invention a resistance variable memory element is provided having at least one silver-selenide layer (18) in between glass layers(17, 20), wherein at least one of the glass layers is a chalcogenide glass, preferably having a Ge_xSe_{100-x} composition.

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