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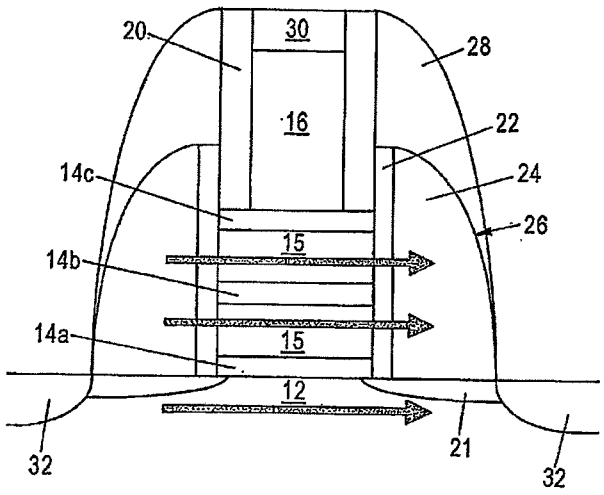
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(54) **Title:** MULTI-OPERATIONAL MODE TRANSISTOR WITH MULTIPLE-CHANNEL DEVICE STRUCTURE



(57) **Abstract:** A multiple operating mode transistor is provided in which multiple channels (15) having different respective operational characteristics are employed. Multiple channels (15) have threshold voltages that are independently adjustable. The independent adjustment of the threshold voltage includes providing at least one of different respective doping concentrations in the different channels (15), different respective gate dielectric thicknesses for the different gate dielectrics (14a-14c) separating the channels (15), and different respective silicon channel thicknesses for the different channels (15).

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