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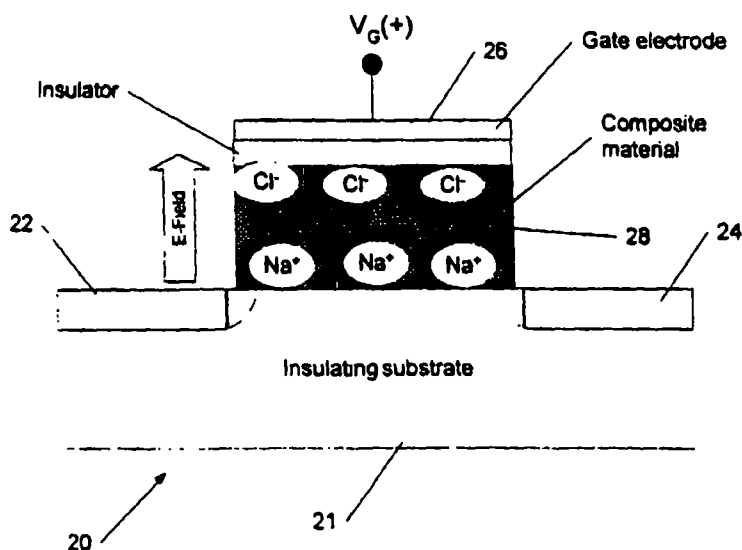
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(57) Abstract: A novel switching device is provided with an active region arranged between first and second electrodes and including a molecular system and ionic complexes distributed in the system. A control electrode is provided for controlling an electric field applied to the active region, which switches between a high-impedance state and a low-impedance state when the electrical field having a predetermined polarity and intensity is applied for predetermined time.



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