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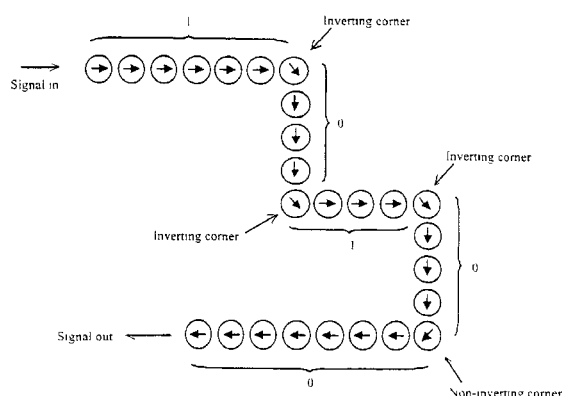
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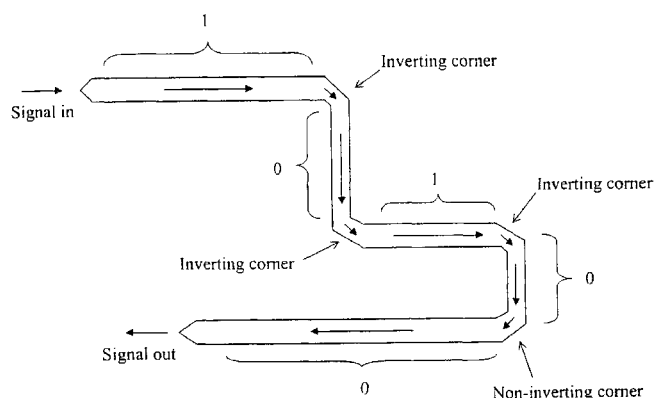
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(54) Title: MAGNETIC LOGIC ELEMENTS



(57) Abstract: A magnetic logic element for a logic device is described formed by at least one conduit capable of sustaining and propagating a magnetic soliton, the conduit being adapted by the provision of nodes and/or directional changes giving rise to discontinuities in soliton propagation energy as a result of which logical functions may be processed. Magnetic logic devices such as interconnects and gates, and magnetic logic circuits incorporating such devices and suitable operational fields, are also described.



WO 02/41492 A1



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