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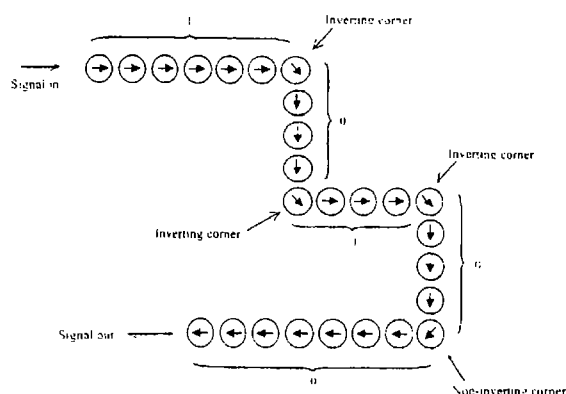
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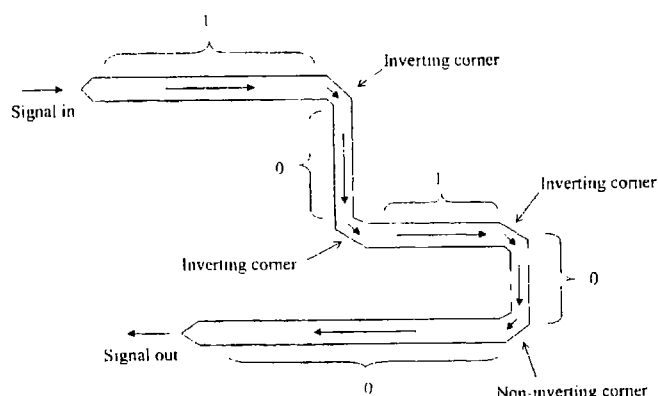
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(54) Title: MAGNETIC LOGIC ELEMENTS



(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.



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WO 02/41492 A1

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