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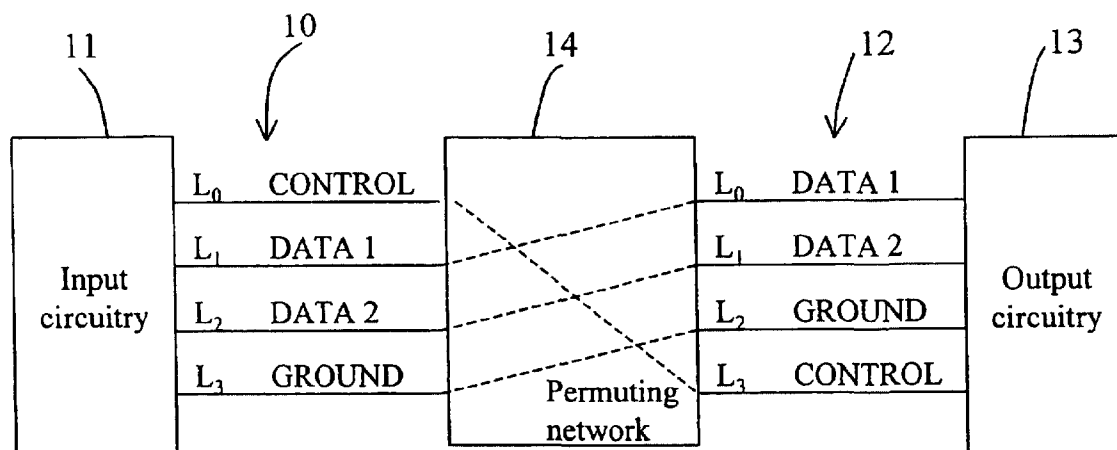
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(54) Title: SIGNAL PERMUTING



(57) Abstract: A method of constructing a permuting network. A configuration for layers of a permuting network is selected based on a set of integer factors of N, the number of signals to be permuted, and on pre-selected types of switches. The permuting network is constructed in layers by using the pre-selected types of switches based on the selected configuration.