

Title (en)
A NONVOLATILE NONLINEAR REPROGRAMMABLE ELECTRONIC POTENTIOMETER

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Application
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Abstract (en)
[origin: WO8809581A1] A variable impedance circuit (10) for use in an external circuit is disclosed. The impedance value is selected by an external circuit. The variable impedance is generated between terminals (14, 16) which are accessible for connection to external circuitry. The impedance provided between these terminals is determined by a control circuit (18) responsive to electrical signals coupled to the control circuit. An internal register in the control circuit stores a value which specifies the impedance between the two terminals. The stored value is copied into a programmable nonvolatile read-only memory (22) in response to a first predetermined electrical signal. Similarly, the value stored in the read-only memory is selectively copied into the internal control circuit register in response to a second predetermined electrical signal. A number of embodiments for variable impedance elements are disclosed which minimize the number of separate resistors required to achieve the equivalent resolution achievable using a series arrangement of resistors.

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Citation (search report)
• [X] WO 8700710 A1 19870129 - XICOR INC [US]
• [A] GB 2091918 A 19820804 - PHILIPS NV
• [A] WO 8001632 A1 19800807 - MICHEL A
• See references of WO 8809581A1

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