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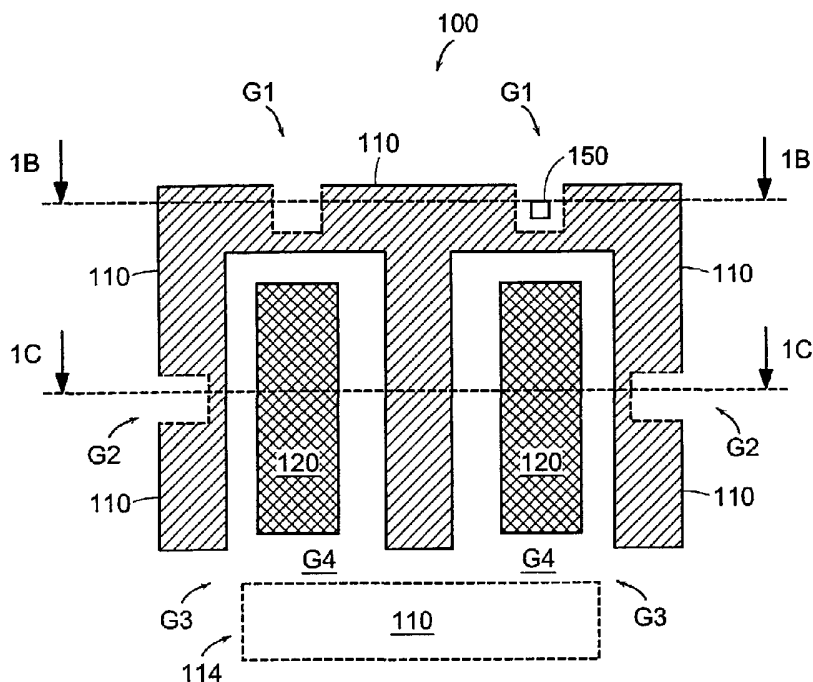
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(54) Title: FLOW CONTROL VALVE WITH MAGNETIC FIELD SENSOR



(57) Abstract: Solenoid devices that include magnetic field sensors and methods for operating the devices are described. A device includes a magnetic field generator that generates a magnetic flux that extends through a magnetic flux circuit member formed at least in part from a ferromagnetic material and defining a gap that is effectively free of any ferromagnetic material. A magnetic flux sensor is disposed to sense a portion of the magnetic flux that extends across the gap. A device can be implemented as a fluid flow control valve.



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INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G05D H01F G05F F16K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 5 303 012 A (HORLACHER WILHELM H ET AL) 12 April 1994 (1994-04-12)	1,14,15
A	claims; figures; examples	2-13, 16-18
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A	the whole document	2-13
A	US 4 450 427 A (GAREIS RONALD E) 22 May 1984 (1984-05-22)	1-18
	claims; figures; examples	
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International Application No
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