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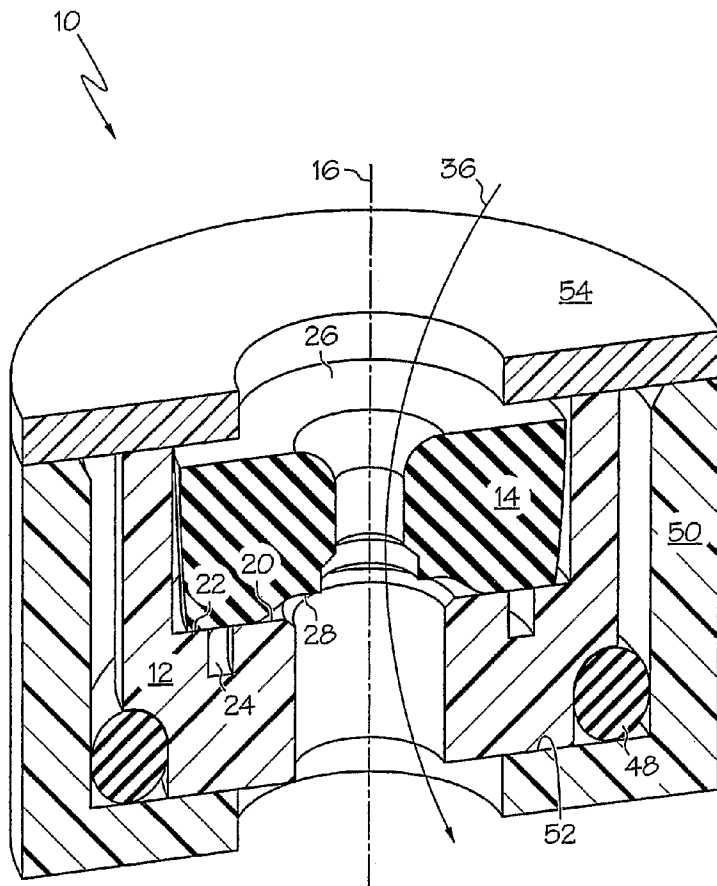
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(54) Title: FLOW-CONTROL VALVE ASSEMBLY



(57) Abstract: A first expression of a flow-control valve assembly includes a valve body and a resilient flow control positioned in the valve body. The valve body has a valve seat including a radially-inner valve seat portion, a radially-outer valve seat portion and a bypass-flow-channel exit located between the two seat portions. The flow control has a top surface, a bottom surface, and a through passage. The bottom surface is spaced apart from the radially-inner valve seat portion under a lower fluid pressure against the top surface exposing the bypass-flow-channel exit. The bottom surface seats again the radially-inner valve seat portion under a higher fluid pressure blocking the bypass-flow-channel exit. A second expression of a flow-control valve assembly includes a valve body having a bypass-flow-channel exit and includes a resilient flow control which has a substantially-constant-diameter outer cylindrical surface and which has a bottom surface devoid of any protrusion.



FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,
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