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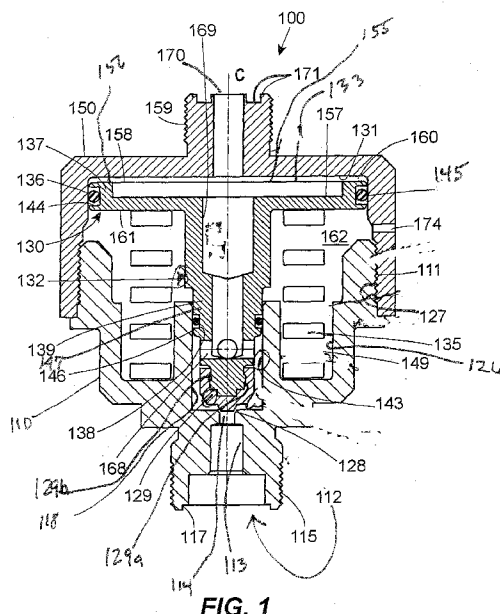


FIG. 1

(57) Abstract: A high-pressure regulator (100) includes body (110) having a pressure inlet (112) and a pressure outlet (170). A piston (130) is disposed in the body and fluidly coupled to the pressure inlet and the pressure outlet. The piston is configured to operate in compression to contact a seat ring for the purpose of controlling the flow of fluid from the pressure inlet to the pressure outlet in response to a pressure applied to a surface of the piston via the pressure outlet. A piston seat (129) circumferentially engages the piston to provide an improved seal at low temperatures.

INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER

INV. G05D16/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
G05D

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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