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(54) **SPOOL VALVE**

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See application file for complete search history.

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(57) **ABSTRACT**

A spool valve is equipped with a valve body, a spool arranged in a valve chamber such that the spool can be displaced between a first position, which allows communication between an inlet port and an outlet port, and a second position, which blocks communication between the inlet port and the outlet port, a pilot valve mechanism disposed in the valve body and which causes displacement of the spool along an axial direction under the pressure of a pilot fluid that acts on one end surface of the spool, and a spring that biases the spool toward one side in the axial direction.

14 Claims, 13 Drawing Sheets

