

Title (en)

POSITION DETECTOR FOR THE MOVABLE PART OF A FLUID DRIVEN SERVOMOTOR

Publication

EP 0297150 B1 19900829 (DE)

Application

EP 87109271 A 19870627

Priority

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Abstract (en)

[origin: US4876531A] A device for detecting the position of a movable element of an adjusting member operated by fluid pressure. A cylindrical probe is introduced into the wall of the actuator and extends to near the inner surface of wall. The probe is mounted to be axially displaceable at the holder so that it may be adapted to different wall thicknesses. The holder contains a sealing means for sealing the passage of the cylindrical probe, which is extended by the shaft and is adapted to be rotatable in a thread bore at the rear end of the holder. A circuit box accommodating the electric circuitry is secured to the end of shaft. The position detector, which detects when the piston has approached the probe, may be simply adapted to different cylinder wall thicknesses. This eliminates the requirement of using different types of position detectors whose probes vary by the length of their projection.

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IPC 8 full level

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CPC (source: EP US)

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