

Title (en)
Potentiometer.

Title (de)
Potentiometer.

Title (fr)
Potentiomètre.

Publication
EP 0177693 A2 19860416 (DE)

Application
EP 85109435 A 19850726

Priority
• DE 3436560 A 19841005
• DE 3520199 A 19850605

Abstract (en)
[origin: US4656457A] A position-sensing potentiometer arrangement for sensing the position of a movable piston and piston rod configuration within a linear actuator includes a first support member extending longitudinally within an open-ended recess formed in the rod and a sliding contact mounted thereon. A tubular support is mounted to a stationary closed end of the linear actuator and extends into the recess to surround a portion of the first support member and a center support member which is also mounted on the closed end of the a actuator. A longitudinally-extending resistance element and a parallel conductor element are mounted on and supported by the center support member. As the first support member moves through the tubular support, the sliding contacts couple the resistance element to the conductor element to provide a resistance value variable as a function of the position of the piston rod. In the event of movement of the piston rod, other than longitudinal movement, the resistance element is isolated by the tubular support against contact by the piston rod.

Abstract (de)
Die Erfindung betrifft ein Potentiometer, insbesondere zur Erfassung der Position des Kolbens eines druckmittelbetätigbaren Arbeitszylinders. Das Potentiometer besteht gemäß Fig. 1 aus einem Träger (22) für einen Schleifkontakt und aus einem Träger (6, 19) für eine Widerstandsbahn und einen Leiter. Die beiden Träger (22, 6, 19) sind so ausgebildet, daß sie teleskopartig ineinander schiebbar sind, wobei sie sich auf der gesamten Länge oder wenigstens dem überwiegenden Teil ihrer gesamten Länge und auf wenigstens einem Teil ihres Querschnittumfanges aneinander abstützen und führen.

IPC 1-7
F15B 15/28; H01C 10/38; H01C 10/44

IPC 8 full level
F15B 15/28 (2006.01); **H01C 10/38** (2006.01); **H01C 10/44** (2006.01)

CPC (source: EP US)
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Cited by
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