

Title (en)
HYDRAULIC ACTUATOR WITH A PISTON POSITION CONTROL SYSTEM

Publication
EP 0290320 B1 19900718 (FR)

Application
EP 88401029 A 19880427

Priority
FR 8706368 A 19870506

Abstract (en)
1. A differential hydraulic jack, in particular for the control of high-voltage electric circuit-breakers, of the type in which the jack piston (4) is unprovided with any packing ring forming a seal with the internal surface of the jack cylinder (2), characterized in that the wall (32) of the cylinder (2) is pierced by a plurality of through-bores (34) extending in spaced relation over a distance corresponding to the range of travel of the piston (4) ; a displacement detector (36) is housed within each through-bore (34) aforesaid with its sensitive detection element (38) directed toward the interior of the cylinder (2) in order to be influenced by the passage of the piston (4) opposite to the corresponding through-bore (34) ; sealing means (42-42') are provided between each detector and the cylinder wall (32) in order to ensure integrity of leak-tightness of the cylinder at the high pressure with prevails within said cylinder ; and the output leads (44) of the detectors are connected to an equipment (46) unit for checking the position of the piston (4) within the cylinder (2).

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F15B 15/28

IPC 8 full level
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CPC (source: EP KR US)
B66F 3/24 (2013.01 - KR); **F15B 15/2807** (2013.01 - EP US); **F15B 15/2861** (2013.01 - EP US)

Cited by
CN105621305A; CN104405716A

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EP 0290320 A1 19881109; EP 0290320 B1 19900718; AT E54726 T1 19900815; AU 1502788 A 19881110; AU 598362 B2 19900621; BR 8802199 A 19881206; CA 1287342 C 19910806; CN 1009853 B 19901003; CN 88102582 A 19881123; CS 303388 A3 19920415; CZ 280407 B6 19960117; DE 3860323 D1 19900823; ES 2016123 B3 19901016; FI 87104 B 19920814; FI 87104 C 19921125; FI 882038 A0 19880502; FI 882038 A 19881107; FR 2614946 A1 19881110; FR 2614946 B1 19890623; HU 209777 B 19941028; HU T52604 A 19900728; JP H0543640 B2 19930702; JP S63295399 A 19881201; KR 880013812 A 19881221; KR 920004529 B1 19920608; SU 1722242 A3 19920323; UA 5569 A1 19941228; US 5031504 A 19910716; YU 47284 B 19950131; YU 88288 A 19901231; ZA 882921 B 19881027

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