

Title (en)
PNEUMATIC OR HYDRAULIC OPERATING DEVICE

Title (de)
PNEUMATISCHE ODER HYDRAULISCHE BETÄTIGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF A FONCTIONNEMENT PNEUMATIQUE OU HYDRAULIQUE

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Application
EP 99969137 A 19990907

Priority

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- SE 9803060 A 19980910

Abstract (en)
[origin: WO0015964A1] Pneumatic or hydraulic operating control device (10), which has a cylinder (11), which is defined in its longitudinal direction by an end (12) on both sides, thereby defining and enclosing a cylinder chamber (13), a rotary shaft (16) arranged transversely to the longitudinal direction of the cylinder (11) and supported outside the cylinder chamber (13), two pistons (14) running in a longitudinal direction in the cylinder chamber (13) and arranged so that they move towards the rotary shaft (16) when a force is made to act on that side of each piston (14) situated nearest each end (12) respectively, and in the opposite direction when a force is made to act on the opposite side of the pistons (14), the rotary shaft (16) being arranged so that it turns in connection with the said piston movements in the longitudinal direction of the cylinder (11). Each piston (14) is provided with a projecting part, piston rod (14A, 14B), which is designed, as the piston (14) moves longitudinally, to be capable of passing unimpeded outside the rotary shaft (16). A driving pin (17) is articulated at a bearing point (18) in each of the said two piston rods (14A, 14B), and that the two driving pins (17) are arranged at a distance from one another along the rotary shaft (16) in order, through a longitudinally moveable connection (20) with the rotary shaft (16), to translate the reciprocating movement of the pistons (14) in a longitudinal direction into a clockwise or anticlockwise rotational movement of the rotary shaft (16). At least one of the driving pins (17) for the said moveable connection (20) is arranged extending through a cavity in the rotary shaft (16) formed transversely to the direction of the rotary shaft (16) and so that the driving pin (17) is capable of sliding in relation to the rotary shaft (16). One of the driving pins (17) for the said moveable connection (20) may alternatively be arranged so that it can run freely in grooves let into the rotary shaft (16) or arranged on its outside.

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