

Title (en)
HYDRAULIC CONTROL DEVICE FOR A DOUBLE ACTING CYLINDER

Title (de)
HYDRAULISCHE STEUERVORRICHTUNG FÜR EINEN DOPPELT WIRKENDEN ZYLINDER

Title (fr)
DISPOSITIF DE COMMANDE HYDRAULIQUE D'UN VERIN A DOUBLE EFFET

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Application
EP 94928429 A 19940922

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Abstract (en)
[origin: WO9508715A1] The present invention relates to a hydraulic supply device for a double acting cylinder (1) comprising an electrohydraulic generator (5) supplying oil under pressure to the cylinder (1) through a line (15) and a distributor unit (12), characterized in that the distributor unit (12), fixed by rigid connection members (10) directly or proximate to the body of the cylinder (1), comprises: a check valve (14) connected upstream to a supply line (15) extending up to the electrohydraulic generator unit (5) and, downstream, to the right chamber (2a) of the hydraulic cylinder (1) through a conduit (13) internal to said unit (12), said check valve (14) impeding any oil return to the generator (5), or to the outside in the event of a burst supply line (15); a normally closed electromagnetically controlled valve (16) connecting the internal conduit (13) to the left chamber (2b) of the cylinder (1); a second conduit (17) inside the distributor unit (12) connecting the left chamber (2b) of the cylinder (1) to the oil return line (11) to the tank (9) through a normally closed electromagnetically controlled valve (18) incorporated in the distributor unit (12).

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