

Title (en)

ARRANGEMENT WITH A PNEUMATIC OR HYDRAULIC PISTON ROD CYLINDER

Title (de)

ANORDNUNG MIT EINEM PNEUMATISCHEN ODER HYDRAULISCHEN KOLBENSTANGENZYLINDER

Title (fr)

ARRANGEMENT AVEC UN VÉRIN PNEUMATIQUE OU HYDRAULIQUE

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Application

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Priority

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Abstract (en)

[origin: WO2021013295A1] The invention relates to a pneumatic or hydraulic piston rod cylinder (I) having a cylinder (2) and a piston (3) adjustable therein in the longitudinal direction, which piston is coupled to a piston rod (4) protruding out of the cylinder (2) and a volume received in the cylinder (2) is divided into a first pressure chamber (5), through which the piston rod (4) extends, and a second pressure chamber (6), wherein the pressure chambers (5, 6) are fluidically connected to each other via a bypass (7) and each have a pressure connection (15), which can be formed in a cylinder wall of the cylinder and via which a fluid pressure can be applied to the pressure chambers (5, 6), and wherein a first side (8) of the piston (3) delimits the first pressure chamber (5) and a second side (9), arranged opposite the first side (8) and having a greater area compared to the first side (8), delimits the second pressure chamber (6), characterized in that the first and the second pressure chamber (5, 6) are fluidically connected to each other via a bypass line (10, 14) of the bypass (7) connected to the pressure connections (15) of the pressure chambers (5, 6).

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