

Title (en)  
DEVICE FOR HOLDING IN POSITION THE ROD OF A PRESSURE CYLINDER

Title (de)  
HALTEVORRICHTUNG EINER HYDRAULISCHEN ARBEITSZYLINDERSTANGE

Title (fr)  
DISPOSITIF DE MAINTIEN EN POSITION DE LA TIGE D'UN VERIN HYDRAULIQUE

Publication  
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Application  
**EP 97913266 A 19971106**

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Abstract (en)  
[origin: US5913810A] The maintenance device consists of a hydraulic insulation unit (2) mounted between the supply circuits of a cylinder (1). The insulation unit (2) comprises a sluice (9) which has, at each of its two openings, an anti-return valve, one of which, the primary valve (11) is hydraulically connected to the outlet chamber (6) of the shaft (7) of the cylinder (1) and opens toward said chamber; and a safety valve (13) opening in the same direction, with the latter valve closing at a different rate than the primary valve closes. The invention is useful for maintaining the shaft of any cylinder in position, particularly a charged cylinder, and it is of interest to manufacturers of hydraulic devices, particularly lifting cylinders, as well as those who use them.

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Cited by  
WO2017191380A1; FR3104653A1; WO2021123653A1; US10760595B2; DE102020109615A1; WO2021204319A1

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