

Title (en)

Fluid actuator with locking means.

Title (de)

Verriegelbarer Hydraulikzylinder.

Title (fr)

Vérin hydraulique muni d'un mécanisme de blocage.

Publication

**EP 0433955 B1 19931110 (DE)**

Application

**EP 90124490 A 19901218**

Priority

DE 3942348 A 19891221

Abstract (en)

[origin: EP0433955A1] A fluid actuator with locking means has a housing (1) with at least one pressure connection (7), a displaceable working piston (3) guided in a sealed manner in the housing (1) and having a piston rod (6), a locking piston (11) supported on a locking spring (35), and a ball locking mechanism (23) having balls (25) which can be moved radially in a cage - in the locking position into a locking groove (26) and in the release position into an escape groove (22). The working piston (3) can be acted upon adjacently to a working space (18) on an effective working surface (19) and the locking piston (11) can be acted upon adjacently to a release space (13) on an effective releasing surface (14), via the pressure connection (7). Provided between the pressure connection (7) and the working space (18) of the working piston (3) is a restrictor (17) with a restricting function which can be switched off with a time delay, whereas the release space (13) of the locking piston (11) can be acted upon without restriction via the pressure connection (7), with the result that, upon pressurisation via the pressure connection (7), the locking piston (11) leaves the locking position first of all and only then does the pressure build-up in the working space (18) take place.

IPC 1-7

**F15B 15/26**

IPC 8 full level

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CPC (source: EP US)

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