

Title (en)
hydraulic actuator with locking mechanism for end of travel

Title (de)
hydraulischer Arbeitszylinder mit Endlagenverriegelung

Title (fr)
vérin hydraulique avec verrouillage en position déployée

Publication
EP 0961037 B1 20050511 (DE)

Application
EP 99105840 A 19990323

Priority
DE 29809717 U 19980529

Abstract (en)
[origin: EP0961037A1] The piston (1) is positively locked in a cylinder (3) at stroke end, by locking elements (4). For each end position, there are locking elements, a pretensioned locking piston (6), and a locking element carrier (7), which are all positioned within the ring chamber between piston rod (2) and cylinder. The locking elements are not spherical. The space for the tension spring (5) for the locking piston is relieved to the opposite working chamber via a channel (12) and a valve (13). All required components are of modular construction.

IPC 1-7
F15B 15/26

IPC 8 full level
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CPC (source: EP)
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