

Title (en)
Locking unit for a linear pressure cylinder

Title (de)
Verriegelungseinheit für einen Fluidzylinder

Title (fr)
Dispositif de verrouillage pour un vérin

Publication
EP 1662152 A2 20060531 (EN)

Application
EP 05111432 A 20051129

Priority
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Abstract (en)
Locking unit (1), in particular for a linear pressure cylinder (6), arranged inside and/or at the end of the linear pressure cylinder (6), comprising at least one lock ring element (2) for clamping a piston rod (3), whereby the piston rod (3) is guided through the locking unit (1), comprising a spring member (7) biasing the lock ring element (2) into a clamping position and a pressure chamber (4), connected to at least one releasing means (12) for a pressurising medium and/or a mechanical releasing device, configured for moving the lock ring element (2) into a releasing position, whereby the at least one lock ring element (2) is in an unadjusted floating position, whereby a centring of the lock ring element (2) relative to the piston rod (3) is ensured by at least one sealing element (10, 11). By this invention the objective can be reached, to provide a locking unit, which offers a simple construction and provides a blocking effect in both directions of the piston rod movement.

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F15B 15/26 (2006.01)

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F15B 15/262 (2013.01)

Citation (applicant)
US 6308613 B1 20011030 - TAKAHASHI HIDEHITO [JP]

Cited by
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