

Title (en)
FLUID-POWERED ACTUATOR

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Application
EP 88101898 A 19880210

Priority
DE 3709701 A 19870325

Abstract (en)
[origin: EP0283693A1] 1. Pressure-medium-powered actuator having a piston (3) which can be acted on by a pressure medium on at least one side (primary chamber 31), the piston being connected to a piston rod (5) extending from the piston side remote from the pressure, out of the housing (1) of the actuator, having a latching device (17) arranged on the piston rod (5) of the actuator and which can travel with this actuator, this device, in a predetermined position of the piston (3) connected to the piston rod (5), latching by means of a pawl (22) automatically with respect to a latching rod (23) extending from the housing of the actuator and being manually releasable, characterised in that the latching device comprises a latching sleeve (17) movably guided along the outer periphery of the piston rod (5), this sleeve being movable on the end side between two stops, on the one hand the piston (3) and on the other hand a stop (19) connected to the piston rod (5), a spring (21) supported on the stop (19) connected to the piston rod (5) bracing the latching sleeve (17) in the direction of the piston (3), in that between the outer periphery of the piston rod (5) and the inner periphery of the piston (3) connected to the piston rod (5) a sealing element (11), supported by means of a pressure piece (15) with respect to the latching sleeve (17), is guided so that the sealing element (11) is exposed to the pressure inside the primary chamber (31) of the actuator and upon application of pressure acts on the latching sleeve (17) by means of the pressure piece (15), and in that the latching rod (23) is biased by means of a spring (25) into the travel path of the pawl (22) of the latching sleeve (17) so that during the pressure-supported travel of the latching sleeve (17) the pawl (22) engages on the latching rod (23) by gripping behind it against the force of its spring (25).

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