

Title (en)
ACTUATING CYLINDER

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Application
EP 87901355 A 19870226

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DE 3609838 A 19860322

Abstract (en)
[origin: WO8705660A1] Actuating cylinder (2) which is a component of a system for limiting drive slippage and also serves to shut off a fuel feed system (28), which can be controlled by the drive slippage limiting system, and can for example be a diesel injection pump of a vehicle engine. The actuating cylinder (2) is provided with a pressurizable piston (9), a piston rod (10), two pressure springs (11, 12) incorporated in the pre-loaded state and between these an axially displaceable stop (13). The more strongly pre-loaded spring (12) presses the axially displaceable stop (13) against a stop (20) which is rigidly connected to the actuating cylinder (2). The less strongly pre-loaded pressure spring (11) presses against the axially displaceable stop (13) and presses against the piston (9). This pressure spring (11) is designed to be relatively stiff and during operation of the drive slippage limiting system is more or less strongly compressed by actuation of the piston (9). To achieve total switching off of the fuel feed system the piston (9) is actuated more strongly so that also the second strongly pre-loaded pressure spring (12), which is provided with a lower stiffness than the first pressure spring (11), is also compressed. The arrangement of the two pressure springs (11, 12) provides a fine adjustment of the drive slippage and simplifies the switching-off of the fuel feed system.

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