

Title (en)
HYDROMECHANICAL SPRING ACTUATOR WITH AN ACCUMULATOR MODULE

Title (de)
HYDROMECHANISCHER FEDERSPEICHERANTRIEB MIT EINEM SPEICHERMODUL

Title (fr)
ACTIONNEUR HYDROMÉCANIQUE À RESSORT AVEC UN MODULE D'ACCUMULATEUR

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Application
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Abstract (en)
[origin: WO2017108403A1] The invention relates to an accumulator module for a hydromechanical spring-loaded drive, wherein the spring-loaded drive is provided to actuate a high-voltage power switch (12), and wherein the accumulator module contains a pressure-tight housing (1), an accumulator piston (2) which protrudes into the housing (1) and is axially moveable in the housing (1), and a sealing cover (4) which seals the housing in an pressure-tight manner. In addition, at least one connecting channel (5, 6) is provided, which is introduced into the housing (1) for transporting a highly pressurised fluid present between the inner wall (7) of the housing and the head (3) of the accumulator piston to a high-pressure channel (11) of the spring-loaded drive, which channel is outside the housing. In order to increase the service life of the accumulator module, at least one pressure relief groove (8) is circumferentially applied to the head (3) of the accumulator piston.

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