

Title (en)
Electro-hydrostatic actuator

Title (de)
Elektrohydrostatischer Stellantrieb

Title (fr)
Actionneur électro-hydrostatique

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Application
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Abstract (en)
An electro-hydrostatic actuator having a sealed housing (12) filled with a dielectric fluid. A motor driven pump (30) and electronics (25) for controlling the pump are all immersed in the fluid. The pump (30) is arranged to deliver fluid from the housing to a hydraulic cylinder (37) to control the positioning of the piston rod. A solenoid operated valve (43) is integrated as a bypass or tip valve for quick fail safe position. The actuator is ideally suited to control various types of plunger valves. In one embodiment of the invention, the hydraulic cylinder is located outside of the housing and in another embodiment the cylinder is located inside of the housing. <IMAGE>

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F15B 15/18

IPC 8 full level
F15B 15/18 (2006.01)

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Citation (search report)

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