

Title (en)
SYSTEM WITH CONSTANT FORCE ACTUATOR

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Application
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Priority
US 8001741 W 19801224

Abstract (en)
[origin: WO8202230A1] A control mechanism (48) to controllably maintain a constant force on an actuator (18) and provide fluid flow to a downstream control valve (24) by controlling a pilot differential pressure between first and second ends (38, 40) of a pilot operated control valve (14). A two position valve (56, 66) acting in response to a predetermined pressure level in the actuator (18) modulatably controls the flow of pressurized pilot fluid to the pilot operated control valve (14) to position the pilot operated control valve (14). This maintains the pressure in the actuator (18) at the predetermined pressure level and passes the excess flow of fluid from a source (12) to the downstream control valve (24).

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