

Title (en)
LINEAR HYDRAULIC ACTUATOR

Title (de)
LINEARER HYDRAULIKAKTUATOR

Title (fr)
ACTIONNEUR HYDRAULIQUE LINÉAIRE

Publication
EP 3460260 A4 20191211 (EN)

Application
EP 17799570 A 20170414

Priority
• KR 20160061843 A 20160520
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Abstract (en)
[origin: EP3460260A1] The Present invention relates to a linear hydraulic actuator comprising: a housing having an inner space in which fluid can be accommodated; a piston formed so as to reciprocate in a longitudinal direction by receiving pressure from the fluid accommodated in the inner space; a piston rod connected to the piston by penetrating the housing and an inner flow path provided at an outer end of the housing or the piston rod so as to receive the fluid from a hinge part connected to the outside. The linear hydraulic actuator according to the present invention can transmit hydraulic pressure to the hinge part or a joint without a hose by using an actuator structure, such that the influence of elasticity of the hose can be ignored, so as to increase control stiffness, thereby enabling precise and robust control performance to be ensured, an freedom of design to be increased by allowing the hose to be ignored during designing.

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• [X1] DE 202007005803 U1 20070920 - BERENDS REINER [DE]
• [X1] US 4718330 A 19880112 - MITTON BRUCE W [US]
• [XA] JP H01148105 U 19891013
• [I] DE 9411004 U1 19940818 - BLUETHGEN WILFRIED DIPL ING [DE]
• [I] EP 1148253 A2 20011024 - HOERBIGER HYDRAULIK [DE]
• See references of WO 2017200212A1

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