

Title (en)  
ELECTROHYDRAULIC LINEAR ACTUATOR

Title (de)  
ELEKTROHYDRAULISCHER LINEARAKTUATOR

Title (fr)  
ACTIONNEUR LINÉAIRE ÉLECTROHYDRAULIQUE

Publication  
**EP 3387267 A1 20181017 (DE)**

Application  
**EP 17723691 A 20170515**

Priority  
• DE 102016109103 A 20160518  
• EP 2017061625 W 20170515

Abstract (en)  
[origin: WO2017198625A1] An electrohydraulic linear actuator comprises a housing (1) consisting of a tubular profile, which forms a housing shell (2) and in which there is a plurality of cavities (5, 6), and which is closed at the ends by means of two housing covers (3, 4) which are fitted to the ends of the housing shell (2). A first cavity (5) of the tubular profile forms a cylinder (7) which forms the hydraulic cylinder (8) of a double-acting synchronous cylinder; and a second cavity (6) of the tubular profile which extends parallel to the first cavity (5) accommodates a hydraulic unit (22) in addition to the hydraulic cylinder (8), and a hydraulic oil reservoir (24) is formed in said second cavity. Two working chambers (11, 12) of the hydraulic cylinder (8) are separated from each other by a piston unit (9). The housing (1) has at least one through-hole (16) for a coupling element (17) which forms a mechanical interface with the piston unit (9) of the hydraulic cylinder (8). The electric motor (21) of the hydraulic unit (22) is configured as a brushless outrunner motor.

IPC 8 full level  
**F15B 15/18** (2006.01)

CPC (source: EP US)  
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**F15B 2211/3058** (2013.01 - EP US); **F15B 2211/7054** (2013.01 - EP US)

Citation (search report)  
See references of WO 2017198625A1

Cited by  
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