

Title (en)
ELECTROHYDRAULIC LINEAR ACTUATOR

Title (de)
ELEKTROHYDRAULISCHER LINEARAKTUATOR

Title (fr)
ACTIONNEUR LINÉAIRE ÉLECTROHYDRAULIQUE

Publication
EP 3387267 B1 20200325 (DE)

Application
EP 17723691 A 20170515

Priority
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• 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.

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