

Title (en)
DOOR ACTUATOR

Title (de)
TÜRBETÄTIGER

Title (fr)
ACTIONNEUR DE PORTE

Publication
EP 3401485 A1 20181114 (EN)

Application
EP 17170898 A 20170512

Priority
EP 17170898 A 20170512

Abstract (en)
The present disclosure relates to a door actuator (10), particularly a hydraulic door closer, for a door leaf. The door actuator (10) comprises a housing (12) for mounting to the door leaf, a shaft (14) rotatably supported in the housing (12) for actuating the door leaf. The shaft (14) includes an eccentric cam (28). The door actuator (10) comprises a piston assembly (16), particularly a hybrid piston assembly, including an outer piston unit (30) reciprocatingly supported in the housing (12) to follow the eccentric cam (28), and an inner piston unit (32) reciprocatingly supported in the outer piston unit (30) to follow the eccentric cam (28).

IPC 8 full level
E05F 3/10 (2006.01)

CPC (source: CN EP)
E05F 1/10 (2013.01 - CN); **E05F 3/104** (2013.01 - EP); **E05F 15/53** (2015.01 - CN); **E05Y 2800/21** (2013.01 - EP); **E05Y 2800/244** (2013.01 - EP)

Citation (applicant)
EP 2617925 A1 20130724 - LEADO DOOR CONTROLS LTD [TW]

Citation (search report)
• [XA] EP 2738332 A1 20140604 - DORMA GMBH & CO KG [DE]
• [XA] US 2014290144 A1 20141002 - HELLWIG ALEXANDER [DE], et al

Cited by
JP2020193485A; EP3715568A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3401485 A1 20181114; **EP 3401485 B1 20200701**; CN 108868428 A 20181123; CN 108868428 B 20211019; ES 2808278 T3 20210226

DOCDB simple family (application)
EP 17170898 A 20170512; CN 201810156901 A 20180224; ES 17170898 T 20170512