

Title (en)
Door closer

Title (de)
Türbetätiger

Title (fr)
Ferme-porte

Publication
EP 2738333 A3 20170809 (DE)

Application
EP 13005365 A 20131114

Priority
DE 102012111534 A 20121128

Abstract (en)
[origin: EP2738333A2] The actuator (1) has a driven shaft (3) rotatably mounted in a housing (2) for performing an operation of a door leaf. The housing is linearly guided and operatively connected to a piston (5) by the output shaft. The piston comprises a component that is connected with a cylindrical receiving face and a tubular component i.e. thermoformed part. The piston is attached to the receiving face of the tubular component. An inner surface of the housing is arranged at an outer surface of the component and the tubular component. A pressure roll (7) is supported on the component.

IPC 8 full level
E05F 3/10 (2006.01)

CPC (source: EP)
E05F 3/10 (2013.01); **E05F 3/104** (2013.01); **E05F 3/102** (2013.01); **E05Y 2900/132** (2013.01)

Citation (search report)

- [X] DE 202012100497 U1 20120316 - DORMA GMBH & CO KG [DE]
- [X] EP 1134349 A2 20010919 - FEV ITALIA ARCHAL S R L [IT]
- [X] DE 19603186 A1 19970731 - DORMA GMBH & CO KG [DE]
- [X] EP 0080863 A1 19830608 - JEBRON LTD [GB]

Cited by
EP3034750A1; CN105715136A; US9790723B2

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 2738333 A2 20140604; EP 2738333 A3 20170809; CN 103850562 A 20140611; CN 103850562 B 20171215;
DE 102012111534 A1 20140528

DOCDB simple family (application)
EP 13005365 A 20131114; CN 201310626015 A 20131128; DE 102012111534 A 20121128