

Title (en)
ACTUATOR FOR ELECTRIC DOOR OPENERS

Title (de)
STELLGLIED FÜR ELEKTRISCHE TÜRÖFFNER

Title (fr)
ACTIONNEUR POUR OUVRE-PORTES ÉLECTRIQUES

Publication
EP 3530846 A1 20190828 (EN)

Application
EP 18000190 A 20180227

Priority
EP 18000190 A 20180227

Abstract (en)
An actuator for electric door openers comprising: - a bobbin (1) formed by a spool (11) that has a cylindrical body with end flanges (12, 13) and a conducting filament winding (14) wound around the spool (11); - a casing or shield (2) having a cavity (21) for tightly housing the bobbin; and - a core (3) mounted such that it can move axially inside the spool (11) of the bobbin (1). The cavity of the casing or shield and the bobbin comprise retention means of the bobbin (1) in the mounting position, made up of complementary configurations (15, 22) that can be coupled under pressure during the axial insertion of the bobbin in the cavity of the casing or shield and defined in the facing surfaces of the cavity and of at least one of the flanges of the bobbin.

IPC 8 full level
E05B 47/00 (2006.01); **H01F 7/16** (2006.01)

CPC (source: EP)
E05B 47/0004 (2013.01); **E05B 47/0046** (2013.01); **H01F 7/127** (2013.01); **H01F 7/1623** (2013.01)

Citation (applicant)
ES 1175683 U 20170207 - OPENERS & CLOSERS SL [ES]

Citation (search report)
• [X] JP 2002243035 A 20020828 - ISUZU MOTORS LTD
• [X] US 2002145125 A1 20021010 - TOMODA SHINICHIRO [JP], et al
• [XI] US 2016265678 A1 20160915 - YE CAI QUAN [CN], et al
• [X] JP 2014149007 A 20140821 - NIDEC TOSOK CORP
• [A] US 5933067 A 19990803 - FROLOV GEORGE [US]

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 3530846 A1 20190828; **EP 3530846 B1 20200708**; **EP 3530846 B8 20210414**; ES 2823236 T3 20210506; PL 3530846 T3 20210308; PT 3530846 T 20201012

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