

Title (en)
ELECTROMAGNETIC ADJUSTING DEVICE

Title (de)
ELEKTROMAGNETISCHE VERSTELLEINRICHTUNG

Title (fr)
DISPOSITIF DE RÉGLAGE ÉLECTROMAGNÉTIQUE

Publication
EP 3207550 B1 20180725 (DE)

Application
EP 15771605 A 20151001

Priority
• DE 102014115120 A 20141017
• EP 2015072672 W 20151001

Abstract (en)
[origin: WO2016058834A1] The invention relates to a electromagnetic adjusting device (1) having an actuator comprising a single magnet coil (M) and comprising plug contacts for operating the adjusting device (1) on a operating voltage source (3) having a first and second voltage pole (3.1, 3.2). According to the invention a first terminal (A) of the magnet coil (M) is connected to a first plug contact (K21) and a second terminal (B) of the magnet coil (M) is connected to a second plug contact (K22), wherein either the first or the second plug contact (K21, K22) is connected to the first voltage pole (3.1), a first transistor element (T1) having a control electrode (B1) is provided and connects the first terminal (A) of the magnet coil (M) to a third plug contact (K23), a second transistor element (T2) having a control electrode (B2) is provided and connects the second terminal (A) of the magnet coil (M) to the third plug contact (K23), the control electrode (B1) of the first transistor element (T1) is connected via a first resistance element (R1) to the second plug contact (K22) and the control electrode (B2) of the second transistor element (T2) is connected via a second resistance element (R2) to the first plug contact (K21).

IPC 8 full level
H01F 7/06 (2006.01); **F16K 31/06** (2006.01); **H01R 4/00** (2006.01)

CPC (source: CN EP US)
F01L 1/344 (2013.01 - CN EP US); **H01F 7/06** (2013.01 - EP US); **H01F 7/064** (2013.01 - CN EP US); **F01L 2001/3443** (2013.01 - CN EP US); **F01L 2201/00** (2013.01 - CN EP US); **H01F 2007/062** (2013.01 - EP 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

DOCDB simple family (publication)
DE 102014115120 A1 20160421; **DE 102014115120 B4 20160804**; BR 112017001178 A2 20171121; CN 107077945 A 20170818; CN 107077945 B 20190426; EP 3207550 A1 20170823; EP 3207550 B1 20180725; ES 2691679 T3 20181128; JP 2017538279 A 20171221; JP 6626883 B2 20191225; RU 2017116346 A 20181120; US 10247054 B2 20190402; US 2017241301 A1 20170824; WO 2016058834 A1 20160421

DOCDB simple family (application)
DE 102014115120 A 20141017; BR 112017001178 A 20151001; CN 201580055240 A 20151001; EP 15771605 A 20151001; EP 2015072672 W 20151001; ES 15771605 T 20151001; JP 2017510621 A 20151001; RU 2017116346 A 20151001; US 201515519779 A 20151001