

Title (en)  
ELECTROMAGNETIC ACTUATING DEVICE AND USE THEREOF

Title (de)  
ELEKTROMAGNETISCHE STELLVORRICHTUNG UND VERWENDUNG EINER SOLCHEN

Title (fr)  
DISPOSITIF DE RÉGLAGE ÉLECTROMAGNÉTIQUE ET UTILISATION DE CE DISPOSITIF

Publication  
**EP 3408855 B1 20191225 (DE)**

Application  
**EP 17704169 A 20170120**

Priority  
• DE 102016101263 A 20160125  
• EP 2017051190 W 20170120

Abstract (en)  
[origin: WO2017129488A1] The invention relates to an electromagnetic adjusting device with a plurality of actuator units (10, 12), each of which has an armature tappet that can be moved relative to stationary coil means along an axial tappet direction when the coil means are energized and each of which is received in paired actuator housings (11, 13) such that when the electromagnetic adjusting device is in the installation and/or assembly state, a respective end portion (16) of the armature tappet can engage with a paired adjusting partner, wherein the plurality of actuator units are mechanically connected to a bracket- and/or bridge-like connection unit (14) made of a polymer material such that the actuator housings can be moved relative to each other under the effect of the connection unit and in accordance with a specified bending property and/or elasticity of the connection unit, in particular on a plane perpendicular to a tappet direction of the armature tappets which are guided in a preferably axially parallel manner.

IPC 8 full level  
**H01F 7/126** (2006.01); **F01L 1/34** (2006.01); **F01L 13/00** (2006.01); **H01F 7/128** (2006.01); **H01F 7/16** (2006.01)

CPC (source: EP US)  
**F01L 1/047** (2013.01 - US); **H01F 7/081** (2013.01 - US); **H01F 7/126** (2013.01 - EP US); **H01F 7/128** (2013.01 - EP US);  
**H01F 7/129** (2013.01 - US); **H01F 7/16** (2013.01 - US); **H01F 7/1607** (2013.01 - EP US); **F01L 2013/0052** (2013.01 - EP US);  
**F01L 2820/031** (2013.01 - US); **H01F 2007/086** (2013.01 - 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 102016101263 A1 20170727**; CN 108496229 A 20180904; CN 108496229 B 20200616; EP 3408855 A1 20181205;  
EP 3408855 B1 20191225; US 10707002 B2 20200707; US 2019043648 A1 20190207; WO 2017129488 A1 20170803

DOCDB simple family (application)  
**DE 102016101263 A 20160125**; CN 201780008124 A 20170120; EP 17704169 A 20170120; EP 2017051190 W 20170120;  
US 201716072534 A 20170120