

Title (en)

Spring adjustment for a door actuating device

Title (de)

Federverstellung für eine Türbetätigungsverrichtung

Title (fr)

Réglage de ressort pour un dispositif d'actionnement de porte

Publication

EP 2871319 B1 20180228 (DE)

Application

EP 14192394 A 20141107

Priority

DE 102013112381 A 20131111

Abstract (en)

[origin: US2015128378A1] A door actuating device, including a housing, at least one drive unit which is disposed in the housing and can be coupled to a door leaf, and at least one spring energy accumulator, which is in operative connection with the drive unit, and which includes a spring disposed therein under spring pretension, wherein the spring pretension of the spring is realized by means of a spring adjusting device, which includes at least one screwed sealing plug, which can be connected to the housing, and an adjusting nut, where a cylinder is configured at the screwed sealing plug and oriented towards the spring, at which cylinder the adjusting nut is linearly guided, where a setting element which is guided by means of the screwed sealing plug and, at least in sections, can be brought non-positively and positively into engagement with the cylinder, and which bears against the adjusting nut, serves for adjusting the spring pretension.

IPC 8 full level

E05F 3/10 (2006.01)

CPC (source: CN EP US)

E05F 1/1066 (2013.01 - US); **E05F 3/10** (2013.01 - CN EP US); **E05Y 2201/492** (2013.01 - CN EP US)

Citation (examination)

GB 854870 A 19601123 - WILLIAM NEWMAN & SONS LTD, et al

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)

EP 2871319 A1 20150513; **EP 2871319 B1 20180228**; CN 104631990 A 20150520; CN 104631990 B 20171222;
DE 102013112381 A1 20150513; US 2015128378 A1 20150514; US 9447622 B2 20160920

DOCDB simple family (application)

EP 14192394 A 20141107; CN 201410645524 A 20141111; DE 102013112381 A 20131111; US 201414538080 A 20141111