

Title (en)

HINGE COMPRISING A BIASABLE FLAT SPIRAL SPRING

Title (de)

SCHARNIER MIT SPANNBARER FLACH-SPIRALFEDER

Title (fr)

CHARNIÈRE DOTÉE D'UN RESSORT SPIRAL PLAT POUVANT ÊTRE TENDU

Publication

EP 3692235 A1 20200812 (DE)

Application

EP 18789336 A 20181005

Priority

- DE 202017106061 U 20171006
- EP 2018077184 W 20181005

Abstract (en)

[origin: WO2019068892A1] The invention relates to a hinge (10) comprising a pivotable hinge part (12), a fixed hinge part (14) and a biasable spring element, wherein the pivotable hinge part (12) is pivotably mounted on the fixed hinge part (14) about a pivot axis (S) via a bearing (16), and wherein the biasable spring element is arranged on the bearing (16). The invention is characterized in that the spring element is designed as a flat spiral spring (18).

IPC 8 full level

E05F 1/12 (2006.01); **E05D 11/00** (2006.01)

CPC (source: EP US)

E05D 11/0054 (2013.01 - US); **E05F 1/1207** (2013.01 - EP US); **E05F 1/1215** (2013.01 - EP US); **E05D 11/0054** (2013.01 - EP); **E05Y 2201/482** (2013.01 - EP); **E05Y 2201/49** (2013.01 - EP); **E05Y 2201/499** (2024.05 - EP US); **E05Y 2600/10** (2013.01 - EP); **E05Y 2600/12** (2013.01 - EP US); **E05Y 2900/502** (2013.01 - EP US); **E05Y 2900/538** (2013.01 - EP)

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)

DE 202017106061 U1 20171030; CN 111406142 A 20200710; CN 111406142 B 20220322; EP 3692235 A1 20200812; EP 3692235 B1 20231213; EP 3692235 C0 20231213; US 11125001 B2 20210921; US 2020332579 A1 20201022; WO 2019068892 A1 20190411

DOCDB simple family (application)

DE 202017106061 U 20171006; CN 201880065341 A 20181005; EP 18789336 A 20181005; EP 2018077184 W 20181005; US 201816754132 A 20181005