

Title (en)

HINGE PROVIDING CUSHIONING EFFECT AND APPARATUS PROVIDED WITH THE HINGE

Title (de)

SCHARNIER MIT DÄMPFUNGSWIRKUNG UND VORRICHTUNG MIT DEM SCHARNIER

Title (fr)

CHARNIÈRE FOURNISSANT UN EFFET DE REMBOURRAGE ET APPAREIL COMPRENANT LA CHARNIÈRE

Publication

**EP 3255235 A4 20181121 (EN)**

Application

**EP 15880826 A 20150428**

Priority

- CN 201510066884 A 20150206
- CN 2015077724 W 20150428

Abstract (en)

[origin: EP3255235A1] A hinge providing a cushioning effect, comprising a first component (12), a second component (14), a main spring (16), a connecting piece (18), a damper component (20), a connecting component (22), and a locking spring (24). The second component (14) is pivotally connected to the first component (12) and is fixedly connected to a main body. The main spring (16) is connected to the connecting piece (18) arranged within the first component (12) and to the first component (12). The connecting piece (18) is connected to the main spring (16) and to the second component (14). The damper component (20) comprises a damper body (200), a telescoping rod (202), a return spring (204), a limiting piece (206), and a third rotary shaft (208).

IPC 8 full level

**E05F 1/12** (2006.01); **E05F 3/20** (2006.01)

CPC (source: EP RU)

**E05F 1/12** (2013.01 - RU); **E05F 1/1276** (2013.01 - EP); **E05F 3/20** (2013.01 - RU); **E05F 5/02** (2013.01 - EP); **E05Y 2201/24** (2013.01 - EP); **E05Y 2201/256** (2013.01 - EP); **E05Y 2201/264** (2013.01 - EP); **E05Y 2800/22** (2013.01 - EP); **E05Y 2800/296** (2013.01 - EP); **E05Y 2900/304** (2013.01 - EP); **E05Y 2900/308** (2013.01 - EP); **E05Y 2900/312** (2013.01 - EP)

Citation (search report)

- [A] EP 2664737 A2 20131120 - ATASAN METAL SANAYI VE TICARET LTD SIRKETI [TR]
- [A] CN 204126434 U 20150128 - HU GUOHENG
- See references of WO 2016123871A1

Cited by

IT202100023870A1

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 3255235 A1 20171213**; **EP 3255235 A4 20181121**; **EP 3255235 B1 20220622**; CN 104727683 A 20150624; CN 104727683 B 20161214; RU 2656844 C1 20180606; WO 2016123871 A1 20160811

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