

Title (en)

HINGE FOR CONNECTING A LEAF TO A FRAME SO AS TO BE HINGED ABOUT A HINGE AXIS

Title (de)

BAND ZUR UM EINE SCHARNIERACHSE SCHARNIERGELENKIGEN VERBINDUNG EINES FLÜGELS MIT EINEM RAHMEN

Title (fr)

PAUMELLE PERMETTANT DE RACCORDER UN BATTANT À UN ENCADREMENT DE MANIÈRE ARTICULÉE PAR CHARNIÈRE AUTOUR D'UN AXE DE CHARNIÈRE

Publication

**EP 3887630 B1 20240306 (DE)**

Application

**EP 19794933 A 20191022**

Priority

- DE 102018130344 A 20181129
- EP 2019078692 W 20191022

Abstract (en)

[origin: WO2020108870A1] The invention relates to a hinge (100) for connecting a leaf to a frame so as to be hinged about a hinge axis (S), comprising a leaf hinge part (6) which can be secured to the leaf, a frame hinge part (1) which can be secured to the frame, and a hinge pin (7) which defines the hinge axis (S) and has at least one circular region in the cross-section and first engagement means (15). At least one of the hinge parts has a hinge pin receiving area (8) which extends in the direction of the hinge axis (S). The hinge also comprises second engagement means (16) which are provided within the hinge pin receiving area (8) and which are in engagement with the first engagement means (15). The first engagement means (15) comprise at least one depression (14), which is set back with respect to the cross-section of the hinge pin (7), and the second engagement means (16) comprise at least one protrusion (13) which engages into the depression (14).

IPC 8 full level

**E05D 7/00** (2006.01)

CPC (source: EP RU)

**E05D 3/02** (2013.01 - RU); **E05D 5/128** (2013.01 - RU); **E05D 7/0045** (2013.01 - EP RU); **E05D 5/128** (2013.01 - EP); **E05D 2007/0081** (2013.01 - EP); **E05Y 2600/14** (2013.01 - EP); **E05Y 2600/502** (2013.01 - EP); **E05Y 2800/268** (2013.01 - EP); **E05Y 2800/298** (2013.01 - EP); **E05Y 2800/33** (2013.01 - EP); **E05Y 2900/132** (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

DOCDB simple family (publication)

**WO 2020108870 A1 20200604**; CN 112996978 A 20210618; CN 112996978 B 20230609; DE 102018130344 A1 20200604; DE 102018130344 B4 20200625; EP 3887630 A1 20211006; EP 3887630 B1 20240306; PL 3887630 T3 20240708; RU 2769900 C1 20220408

DOCDB simple family (application)

**EP 2019078692 W 20191022**; CN 201980071814 A 20191022; DE 102018130344 A 20181129; EP 19794933 A 20191022; PL 19794933 T 20191022; RU 2021110755 A 20191022