

Title (en)
HINGE ASSEMBLY

Title (de)
SCHARNIERANORDNUNG

Title (fr)
AGENCEMENT DE CHARNIÈRE

Publication
EP 3862520 C0 20231101 (DE)

Application
EP 21152476 A 20210120

Priority
DE 102020201318 A 20200204

Abstract (en)
[origin: US2021238903A1] A hinge arrangement having a first hinge part and having a second hinge part, which are connected to one another such that they can pivot, a first hinge pin being formed on the first hinge part, on which a first hinge sleeve is pivotably mounted, which forms a first sliding bearing with the first hinge pin, a dimensionally stable support part being connected to the first hinge sleeve. A first axial protrusion is formed on a first axial end face of the first hinge pin, which engages in an arcuate first groove of the first hinge sleeve, wherein a circumferential first side wall of the first groove together with the first axial end face and an inner side of an end cover fixed at the end of the first hinge sleeve delimits a working space which is filled with a damping fluid for damping a relative movement of the first axial protrusion with respect to the first groove.

IPC 8 full level
E05F 1/12 (2006.01); **B65F 1/00** (2006.01); **E05F 3/14** (2006.01); **E05F 3/20** (2006.01)

CPC (source: EP US)
B65F 1/1646 (2013.01 - EP); **E05D 3/02** (2013.01 - US); **E05F 1/1215** (2013.01 - EP); **E05F 3/14** (2013.01 - EP US);
E05F 3/20 (2013.01 - EP US); **E05D 2003/027** (2013.01 - EP); **E05Y 2201/212** (2013.01 - US); **E05Y 2201/25** (2013.01 - EP);
E05Y 2201/266 (2013.01 - EP); **E05Y 2201/41** (2013.01 - US); **E05Y 2201/484** (2013.01 - US); **E05Y 2999/00** (2024.05 - EP 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

Participating member state (EPC – UP)
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)
EP 3862520 A1 20210811; **EP 3862520 B1 20231101**; **EP 3862520 C0 20231101**; DE 102020201318 A1 20210805; US 11739580 B2 20230829;
US 2021238903 A1 20210805

DOCDB simple family (application)
EP 21152476 A 20210120; DE 102020201318 A 20200204; US 202117167594 A 20210204