

Title (en)
HINGE

Title (de)
SCHARNIER

Title (fr)
CHARNIÈRE

Publication
EP 3645817 B1 20210804 (DE)

Application
EP 18733202 A 20180613

Priority
• DE 102017114473 A 20170629
• EP 2018065604 W 20180613

Abstract (en)
[origin: WO2019001957A1] The invention relates to a hinge (1) comprising a side part (2) that can be secured to a wall and a hinge part (3) which can swivel relative to the side part (2), and which can be secured to a door, wherein two levers (4, 5) are provided between the side part (2) and the hinge part (3), which are respectively rotatably mounted on the side part (3) and on the hinge part (4), and comprising a linear damper (10) arranged in the side part (3) and having a housing (11) and a piston rod (12), wherein a control cam (45) is formed on one of the levers (4), which compresses the linear damper (10) shortly before reaching a closed position in a closing movement and before reaching the maximum open position in an opening movement.

IPC 8 full level
E05D 3/14 (2006.01); **E05F 5/00** (2017.01)

CPC (source: EP KR RU US)
E05D 3/142 (2013.01 - EP KR RU US); **E05D 11/1021** (2013.01 - RU US); **E05F 5/006** (2013.01 - EP KR RU US);
E05Y 2201/21 (2013.01 - EP KR US); **E05Y 2201/256** (2013.01 - US); **E05Y 2201/264** (2013.01 - EP KR US); **E05Y 2201/412** (2013.01 - EP KR);
E05Y 2201/424 (2013.01 - EP KR); **E05Y 2201/638** (2013.01 - EP KR); **E05Y 2900/20** (2013.01 - EP KR 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

DOCDB simple family (publication)
WO 2019001957 A1 20190103; AU 2018292956 A1 20191219; AU 2018292956 B2 20231221; BR 112019026302 A2 20200630;
CA 3066520 A1 20190103; CN 110799717 A 20200214; CN 110799717 B 20210611; DE 102017114473 A1 20190103;
EP 3645817 A1 20200506; EP 3645817 B1 20210804; JP 2020525680 A 20200827; JP 7174725 B2 20221117; KR 102498808 B1 20230210;
KR 20200021981 A 20200302; RU 2019139783 A 20210729; RU 2019139783 A3 20210914; RU 2765818 C2 20220203;
US 11072959 B2 20210727; US 2020149335 A1 20200514

DOCDB simple family (application)
EP 2018065604 W 20180613; AU 2018292956 A 20180613; BR 112019026302 A 20180613; CA 3066520 A 20180613;
CN 201880042627 A 20180613; DE 102017114473 A 20170629; EP 18733202 A 20180613; JP 2019572158 A 20180613;
KR 20207000557 A 20180613; RU 2019139783 A 20180613; US 201816624058 A 20180613