

Title (en)
HINGE FOR DOORS OR WINDOWS

Title (de)
SCHARNIER FÜR TÜREN ODER FENSTER

Title (fr)
CHARNIÈRE POUR PORTES OU FENÊTRES

Publication
EP 3942135 B1 20230308 (EN)

Application
EP 20706934 A 20200309

Priority
• IT 201900004183 A 20190322
• IB 2020052024 W 20200309

Abstract (en)
[origin: WO2020194093A1] Described is a hinge for doors and windows comprises a first hinge body (1) having a central socket (2) and associated in a corresponding recessed cavity made on the profile of an upright (3) of the fixed frame; a pin (4) defining an axis (Z) of vertical rotation of the hinge (100) and positioned and constrained inside the socket (2) of the first hinge body (1); a first wing (5) integral with the rotation pin (4) and protruding radially from the rotation pin (4); a second hinge body (6) with a flat profile fixed on the outer surface of the profile of an upright (7) of a mobile frame or sash; a second wing (8) integral with the second hinge body (6) and protruding from the second hinge body (6); a device (9) for a stable joining between the first (5) and the second (8) wing positioned between them first (5) and second (8) wing; the device (9) for a stable joining between the first (5) and the second (8) wing comprises a pair of pins (10, 11) parallel to each other, associated with the first wing (5); this pair of pins (10, 11) protrudes from the first wing (5), parallel to the axis (Z) of rotation vertical, and slidably coupled, in a pair of corresponding cavities (12, 13) made on the second wing (8) in such a way as to form a single rigid wing.

IPC 8 full level
E05D 5/06 (2006.01); **E05D 5/12** (2006.01); **E05D 7/04** (2006.01); **E05D 7/12** (2006.01)

CPC (source: EP)
E05D 5/06 (2013.01); **E05D 7/0415** (2013.01); **E05D 3/02** (2013.01); **E05D 5/128** (2013.01); **E05D 2007/126** (2013.01); **E05Y 2400/41** (2013.01); **E05Y 2600/56** (2013.01); **E05Y 2600/622** (2013.01); **E05Y 2800/205** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01)

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 2020194093 A1 20201001; CN 113646501 A 20211112; CN 113646501 B 20221213; EP 3942135 A1 20220126; EP 3942135 B1 20230308; ES 2941355 T3 20230522; HR P20230298 T1 20230512; IT 201900004183 A1 20200922; PL 3942135 T3 20230424; PT 3942135 T 20230323

DOCDB simple family (application)
IB 2020052024 W 20200309; CN 202080022992 A 20200309; EP 20706934 A 20200309; ES 20706934 T 20200309; HR P20230298 T 20200309; IT 201900004183 A 20190322; PL 20706934 T 20200309; PT 20706934 T 20200309