

Title (en)

SLIDING SYSTEM WITH ROLLERS FOR SLIDING WINDOWS, DOORS AND SKYLIGHTS

Title (de)

SCHIEBESYSTEMMIT ROLLEN FÜR SCHIEBE FENSTER, TÜREN UND DACHFENSTER

Title (fr)

SYSTÈME COULISSANT AVEC ROULEAUX POUR FENÊTRES, PORTES ET PUIITS DE LUMIÈRE COULISSANTS

Publication

EP 3187674 A1 20170705 (EN)

Application

EP 17152861 A 20170124

Priority

PT 10911116 A 20160126

Abstract (en)

The present invention refers to a sliding system with rollers for sliding windows, doors and skylights, that allows the windows, doors or skylights to slide without great physical effort, has a "zero-zero" level to the surface of the finishing materials of the building in which it is installed, and has an excellent waterproof and airproof performance. The system comprises bearings support profiles (3) installed inside the frames of the structure (2) that are inside the construction materials. The bearings support profiles (3) comprises a substantially horizontal surface of the "T" of the bearings support profile (3.1) that includes horizontal grooves (3.2). The bearings support profiles (3) also comprise chambers (3.4) where the detachable runners (7) are inserted, and tracks (3.5) that include sealers (6) and vertical grooves. A profile "H" (5), which supports the filling panel (10), is adjacent to the bearings support profiles (3), and includes saliences (5.1) and tracks for rollers (5.2). The detachable runners (7) include vertical rollers (8) and horizontal rollers (9).

IPC 8 full level

E04D 13/035 (2006.01); **E05D 15/06** (2006.01); **E06B 3/46** (2006.01)

CPC (source: EP)

E04D 13/0358 (2013.01); **E05D 15/0665** (2013.01); **E05D 15/0678** (2013.01); **E05D 15/0686** (2013.01); **E05D 15/0691** (2013.01); **E06B 3/4609** (2013.01); **E05Y 2201/688** (2013.01); **E05Y 2201/706** (2013.01); **E05Y 2600/452** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01)

Citation (applicant)

- EP 2361339 A1 20110831 - UNLTD PERSPECTIVE SA [CH], et al
- DE 202009010998 U1 20100107 - SOLARA S R O [CZ]
- EP 2093364 A1 20090826 - ORCHIDEES CONST SA [CH]

Citation (search report)

- [X] US 2014059938 A1 20140306 - JORAY ERIC [CH]
- [X] EP 1589173 A2 20051026 - BADER GMBH & CO KG [DE]
- [I] WO 2010024703 A1 20100304 - UNLTD PERSPECTIVE SA [CH], et al
- [A] DE 202009010998 U1 20100107 - SOLARA S R O [CZ]

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3187674 A1 20170705; **EP 3187674 B1 20200325**; ES 2797926 T3 20201204; PT 3187674 T 20200715

DOCDB simple family (application)

EP 17152861 A 20170124; ES 17152861 T 20170124; PT 17152861 T 20170124