

Title (en)
SLIDING LEAF SUPPORT AND ROLLING SYSTEM

Title (de)
SCHIEBEBLATTSTÜTZE UND ROLLSYSTEM

Title (fr)
SUPPORT DE LAME COULISSANTE ET SYSTÈME DE ROULEMENT

Publication
EP 4382705 A1 20240612 (EN)

Application
EP 23386106 A 20231027

Priority
GR 20220101021 A 20221209

Abstract (en)
The invention comprises a series of rollers (1, 2) which are connected together by a connector (4) and form a train. The train is fitted with a special fixing plug (7) at its end, which consists of two plug parts (Part A' and Part B') of which Part B' (7b) is screwed firmly onto the framework, while Part A' (7a) fixes the entire train to the end of the leaf framework, which is accessible. The only fixing point of the train is in Part A' (7a) which can be unscrewed; the entire train can be pulled out of the leaf without the need to remove the leaf from the frame casing. The invention can be applied in all door and window sliding systems, whether overlapping or not.

IPC 8 full level
E05D 15/06 (2006.01)

CPC (source: EP)
E05D 15/0665 (2013.01); **E05Y 2201/11** (2013.01); **E05Y 2201/64** (2013.01); **E05Y 2201/686** (2013.01); **E05Y 2600/40** (2013.01); **E05Y 2600/41** (2013.01); **E05Y 2600/50** (2013.01); **E05Y 2800/20** (2013.01); **E05Y 2800/205** (2013.01); **E05Y 2800/21** (2013.01); **E05Y 2800/244** (2013.01); **E05Y 2800/27** (2013.01); **E05Y 2800/744** (2013.01); **E05Y 2900/132** (2013.01)

Citation (applicant)
• US 4262451 A 19810421 - DALLAIRE RAYMOND
• EP 0563015 A1 19930929 - GIESSE SPA [IT]
• EP 4071328 A1 20221012 - SCHUECO INT KG [DE]

Citation (search report)
• [A] WO 2012042409 A1 20120405 - SAVIO SPA [IT], et al
• [A] WO 2014121350 A1 20140814 - REYNAERS ALUMINIUM NV [BE]
• [A] EP 3418484 A1 20181226 - HYDRO EXTRUDED SOLUTIONS AS [NO]
• [A] KR 19980057018 U 19981015

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4382705 A1 20240612

DOCDB simple family (application)
EP 23386106 A 20231027