

Title (en)
Locking system for sliding aluminum profile constructions

Title (de)
Verriegelungssystem für verschiebbare Aluminiumprofilkonstruktionen

Title (fr)
Système de verrouillage pour profilés coulissants en aluminium

Publication
EP 1780353 A1 20070502 (EN)

Application
EP 05390001 A 20051027

Priority
EP 05390001 A 20051027

Abstract (en)
Locking system for sliding doors and windows for use in aluminum profile constructions. Main characteristic is the triple locking on the middle of a door or window, on the bottom area and on the top area. The three locking parts (1,8) are controlled and locked by one simultaneous motion using a usual handle for doors and windows. The locking parts provide stable and safe locking due to there shape, due to the triple locking and due to the covering of parts by the aluminum profiles (figure 6 and figure 7). The triple locking disables the rotation of the door around the locking system (in case it was only the middle area) and the covered parts are safe by anybody that would try to destroy them. The shape of the parts helps all the other to work.

IPC 8 full level
E05B 65/08 (2006.01); **E05C 9/02** (2006.01); **E05C 9/04** (2006.01); **E05C 9/18** (2006.01)

CPC (source: EP)
E05B 65/087 (2013.01); **E05C 9/006** (2013.01); **E05C 9/185** (2013.01); **E05C 9/02** (2013.01); **E05C 9/04** (2013.01)

Citation (search report)
• [X] US 6270129 B1 20010807 - PREVOT GERARD [FR], et al
• [X] FR 2722527 A1 19960119 - ALCAN FRANCE [FR]
• [X] EP 0801194 A1 19971015 - ATP SA [ES]

Cited by
FR3027937A1; EP2551428A1; FR2978474A1; CN103291144A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1780353 A1 20070502

DOCDB simple family (application)
EP 05390001 A 20051027