

Title (en)  
A hinge for doors or windows

Title (de)  
Eine Scharniere für Türen oder Fenster

Title (fr)  
Charnière pour portes ou fenêtres

Publication  
**EP 1959078 A3 20090128 (EN)**

Application  
**EP 08150475 A 20080122**

Priority  
IT BO20070088 A 20070215

Abstract (en)  
[origin: EP1959078A2] Described is a hinge for doors and windows comprising a fixed frame (1) and a mobile frame (2) whose profiles form respective longitudinal fastening grooves (C1, C2) each comprised of a pair (3, 4) of facing upturned L-shaped protrusions defining an upper longitudinal opening (5) whose width (LA) is defined by the distance between the transversal sections (3a, 4a) of the L. The hinge (6) comprises: a first and a second hinge body (7, 10) with a first and second flap (8, 11) which can be associated, through respective first and second fastening means (9, 12), with the grooves (C1, C2); a hinge pin (13) defining the axis of rotation (Z); the first and second fastening means (9, 12) each comprise a pair of screw elements (14) inserted into the flaps (8, 11) and operating on respective stop-lock elements (16) acting on the protrusions (3, 4); each stop-lock element comprising a first, flat base (18) having a main dimension of extension (D18) that is greater than the width (LA) of the upper opening (5) and a second, upper prismatic portion (19), having two opposite inclined walls (19a, 19b) adapted to make contact at least with the front ends of the transversal sections (3a, 4a) of the respective longitudinal grooves (C1, C2).

IPC 8 full level  
**E05D 5/02** (2006.01)

CPC (source: EP)  
**E05D 5/0238** (2013.01); **E05Y 2600/528** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01)

Citation (search report)  
• [XY] CH 517888 A 19720115 - METALLURG DE SAINT LOUIS SA SO [FR]  
• [Y] FR 2233477 A1 19750110 - FRACH WERNER [DE]  
• [Y] EP 1698752 A2 20060906 - GSG INT SPA [IT]  
• [A] DE 20204175 U1 20020523 - SAVIO SPA [IT]

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK

DOCDB simple family (publication)  
**EP 1959078 A2 20080820; EP 1959078 A3 20090128**; IT BO20070088 A1 20080816

DOCDB simple family (application)  
**EP 08150475 A 20080122**; IT BO20070088 A 20070215