

Title (en)

"A hinge for doors, windows and similar destined for mounting on metal frames"

Title (de)

Ein Scharnier für Türen, Fenster und dergleichen, das zur Befestigung an Metalrahmen bestimmt ist

Title (fr)

Une charnière pour portes, fenêtres et similaires destinée à être montée sur des cadres métalliques

Publication

EP 1255010 A1 20021106 (EN)

Application

EP 02005830 A 20020314

Priority

IT TO20010420 A 20010504

Abstract (en)

A hinge for doors, windows and similar destined for mounting on a metal frame (110), comprising: a hinge element (124), an anchorage plate (142) with a mating surface (144) destined to rest against an undercut surface (120) of the frame (110) and a number of teeth (150) protruding from the contact surface (144), and at least one screw (130) that is used to engage a seat (136) of the hinge element (124) and a hole (140) on the anchorage plate (142) to tighten the mating surface (144) of the anchorage plate (142) against the undercut surface (120) of the groove (112), so as to force the teeth (150) to bite into the material forming the frame (110). The said teeth (150) have a pyramidal shape with a triangular base and a vertex (164) arranged in correspondence to the external border (146) of the mating surface (144) such that when used, the vertex of each of the said teeth (150) bites into the corner (166) defined between an undercut surface (120) and the corresponding side surface (118) of the said groove (112). <IMAGE>

IPC 1-7

E05D 5/02

IPC 8 full level

E05D 5/02 (2006.01)

CPC (source: EP)

E05D 5/0238 (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01)

Citation (search report)

- [A] EP 0659967 A2 19950628 - ERRETI SRL [IT]
- [A] DE 1817951 A1 19750313 - VER BAUBESCHLAG GRETSCH CO

Cited by

ITTO20100935A1; EP1462598A1; EP1619333A3; ES2244289A1; BE1015758A3; EP1528202A3; RU2469163C2; EP2072727A1; EP1619334A2; WO2006072330A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1255010 A1 20021106; EP 1255010 B1 20040218; AT E259928 T1 20040315; DE 20204175 U1 20020523; DE 60200209 D1 20040325; DE 60200209 T2 20041216; ES 2213719 T3 20040901; IT TO20010420 A0 20010504; IT TO20010420 A1 20021104; PT 1255010 E 20040531

DOCDB simple family (application)

EP 02005830 A 20020314; AT 02005830 T 20020314; DE 20204175 U 20020318; DE 60200209 T 20020314; ES 02005830 T 20020314; IT TO20010420 A 20010504; PT 02005830 T 20020314