

Title (en)

A hinge for metal door or window units.

Title (de)

Scharnier für metallische Tür- oder Fenstereinheit

Title (fr)

Charnière pour unité de porte ou fenêtre métallique

Publication

**EP 1598511 A3 20070509 (EN)**

Application

**EP 05425312 A 20050511**

Priority

IT BO20040315 A 20040518

Abstract (en)

[origin: EP1598511A2] A hinge for metal door and window units comprises: two hinge bodies (2, 3) each presenting a cylindrical hole (6, 7) and a flap (8, 9) by which it is secured to the respective frame of a door or window unit (10); a hinge pin (17) that can be inserted coaxially into the holes (6, 7) to allow the bodies (2, 3) to turn relative to each other about a central axis (18) of the pin (17) itself; and fastening elements (11) to fix the flaps (8, 9) to the respective frames of the door or window unit. Each of the hinge bodies (2, 3) is made in a first and a second part (21, 22) which can be fitted together, the first part (21) constituting a first element presenting the respective hole (6, 7) and the second part (22) constituting a second element presenting the respective securing flap (8, 9) .

IPC 8 full level

**E05D 9/00** (2006.01); **E05D 5/02** (2006.01); **E05D 5/14** (2006.01); **E05D 11/04** (2006.01)

CPC (source: EP)

**E05D 5/0238** (2013.01); **E05D 5/16** (2013.01); **E05D 9/00** (2013.01); **E05D 11/04** (2013.01); **E05D 2011/045** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01)

Citation (search report)

- [X] CH 596422 A5 19780315 - ALUSUISSE
- [X] GB 2383081 A 20030618 - J K FURNEX LTD [GB], et al
- [X] FR 2638778 A1 19900511 - PRUDHOMME DOMINIQUE [FR]
- [X] DE 9215565 U1 19940317 - HAHN GMBH & CO KG DR [DE]
- [A] US 5930868 A 19990803 - BUTLER RHETT [US]

Cited by

RU2469163C2; FR2898628A1; FR2948406A1

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

**EP 1598511 A2 20051123; EP 1598511 A3 20070509**; IT BO20040315 A1 20040818

DOCDB simple family (application)

**EP 05425312 A 20050511**; IT BO20040315 A 20040518