

Title (en)

HINGE FOR PIVOTALLY MOVING A LATERALLY OPENING DOOR

Title (de)

SCHARNIER ZUM SCHWENKVERSCHIEBEN EINER ZUR SEITE HIN ZU ÖFFNENDEN TÜR

Title (fr)

CHARNIERE POUR LE DEPLACEMENT PAR PIVOTEMENT D'UNE PORTE A OUVRIR SUR UN COTE

Publication

EP 1882073 A2 20080130 (DE)

Application

EP 06725646 A 20060407

Priority

- EP 2006061438 W 20060407
- DE 102005021540 A 20050510

Abstract (en)

[origin: WO2006120105A2] The invention relates to a hinge (1) for fixing a laterally opening door (2) of a cabinet (3), especially a refrigerator. Said hinge (1) comprises an articulated lever arrangement (4) that is provided with a support element (10) facing the door and a support element (9) facing the cabinet. The support element (10) facing the door is rotated by an opening angle (a) from a closed position (8) into an open position (7) when the hinge (1) is opened relative to the support element (9) facing the cabinet. The support element (9) facing the door is displaced by at least 65 mm, particularly at least 85 mm, preferably at least 95 mm, at an opening angle (a) of 90°. Also disclosed are a cabinet wall (30) and a refrigerator (31). The door (2) can be opened wide in a simple manner with the aid of the appropriately mounted inventive hinge (1) even in the presence of protrusions (5) on the hinge side, e.g. a door handle located in the immediate vicinity of the hinge (1) or a protruding worktop, such that an access to the interior of the cabinet (3) is substantially unblocked.

IPC 8 full level

E05D 3/06 (2006.01); **E05D 11/06** (2006.01)

CPC (source: CN EP US)

E05D 3/16 (2013.01 - CN EP US); **F25D 23/028** (2013.01 - CN EP US); **E05D 11/06** (2013.01 - CN EP US);
E05D 2003/166 (2013.01 - CN EP US); **E05Y 2900/31** (2013.01 - CN EP US); **F25D 2500/02** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2006120105A2

Cited by

US2023212896A1

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

DOCDB simple family (publication)

DE 102005021540 A1 20061116; CN 101171394 A 20080430; CN 104314398 A 20150128; EP 1882073 A2 20080130;
EP 1882073 B1 20201118; EP 1997992 A2 20081203; EP 1997992 A3 20090121; EP 1997993 A2 20081203; EP 1997993 A3 20090121;
RU 2007139440 A 20090620; RU 2437994 C2 20111227; US 2009064463 A1 20090312; WO 2006120105 A2 20061116;
WO 2006120105 A3 20070322

DOCDB simple family (application)

DE 102005021540 A 20050510; CN 200680015734 A 20060407; CN 201410437937 A 20060407; EP 06725646 A 20060407;
EP 08163995 A 20060407; EP 08163996 A 20060407; EP 2006061438 W 20060407; RU 2007139440 A 20060407; US 91994306 A 20060407