

Title (en)

Hinge for pivotally moving a laterally opening door

Title (de)

Scharnier zum Schwenkverschieben einer zur Seite hin zu öffnenden Tür

Title (fr)

Charnière pour le déplacement par pivotement d'une porte à ouvrir sur un côté

Publication

EP 1997993 A3 20090121 (DE)

Application

EP 08163996 A 20060407

Priority

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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

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CPC (source: CN EP US)

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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)

- [XY] FR 2535960 A1 19840518 - HETTICH PAUL GMBH & CO [DE]
- [X] US 5471709 A 19951205 - LANZANI ORESTA [IT]
- [Y] DE 2749288 A1 19781116 - SALICE GMBH
- [Y] DE 29918559 U1 20000105 - HETTICH ONI GMBH & CO KG [DE]
- [A] US 4470170 A 19840911 - GERTEIS FRANZ [DE]

Cited by

EP1746372A3

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EP 1882073 B1 20201118; EP 1997992 A2 20081203; EP 1997992 A3 20090121; EP 1997993 A2 20081203; EP 1997993 A3 20090121;
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