

Title (en)
Bifold door lifting apparatus

Title (de)
Hebevorrichtung für eine zweiflügelige Faltklappe

Title (fr)
Appareil de levage de porte pliante à deux battants

Publication
EP 1223282 B1 20050406 (DE)

Application
EP 01129983 A 20011217

Priority
DE 20100662 U 20010115

Abstract (en)
[origin: US2002108311A1] A lifting apparatus for a two-leaf folding flap, whose upper leaf is hinged to a top or partition wall of a cupboard around a horizontal first axle and whose lower leaf is pivotally connected to the upper leaf around a second axle parallel to the first axle, comprises at least one two-armed lever which is pivotally mounted to a side body part around a horizontal pivot axle and whose longer arm is linked to the lower leaf. One end of the compressing spring element is pivotally connected to the body part and the other end is pivotally connected to the lever. To prevent the leaf from coming into contact with the end surfaces of body parts of the cupboard closed by the folding flap, the lever is guided in a longitudinally displaceable manner on its pivot axle and the shorter lever arm is guided in a cam guide fixed to the body via a slide block or a roller.

IPC 1-7
E05F 1/10; **E05D 15/26**

IPC 8 full level
E05D 15/26 (2006.01); **E05D 15/38** (2006.01); **E05F 11/22** (2006.01); **E05D 15/40** (2006.01); **E05F 1/10** (2006.01)

CPC (source: EP KR US)
E05D 15/262 (2013.01 - EP US); **E05D 15/38** (2013.01 - KR); **E05F 1/1091** (2013.01 - EP US); **E05Y 2201/416** (2013.01 - EP US); **E05Y 2900/20** (2013.01 - EP US)

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CN100432522C; CN105683472A; ITMI20111234A1; US9909346B2; WO2015027253A1

Designated contracting state (EPC)
AT DE ES IT

DOCDB simple family (publication)
US 2002108311 A1 20020815; **US 6877830 B2 20050412**; AT E292729 T1 20050415; BR 0200867 A 20030311; CN 1366123 A 20020828; CZ 200290 A3 20020911; DE 20100662 U1 20010419; DE 50105825 D1 20050512; EP 1223282 A2 20020717; EP 1223282 A3 20040324; EP 1223282 B1 20050406; ES 2240321 T3 20051016; HK 1047609 A1 20030228; HU 0200171 D0 20020328; HU 223555 B1 20040928; HU P0200171 A2 20030428; JP 2002227513 A 20020814; KR 100436990 B1 20040623; KR 20020061522 A 20020724; PL 351708 A1 20020729; SI 1223282 T1 20051231; TW 534937 B 20030601

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US 4713802 A 20020115; AT 01129983 T 20011217; BR 0200867 A 20020115; CN 02101720 A 20020114; CZ 200290 A 20020109; DE 20100662 U 20010115; DE 50105825 T 20011217; EP 01129983 A 20011217; ES 01129983 T 20011217; HK 02109114 A 20021216; HU P0200171 A 20020115; JP 2001382689 A 20011217; KR 20020002028 A 20020114; PL 35170802 A 20020114; SI 200130360 T 20011217; TW 90128809 A 20011121