

Title (en)
Door lifting device

Title (de)
Türheber

Title (fr)
Dispositif de levage pour porte

Publication
EP 0908592 B1 20051221 (DE)

Application
EP 97810754 A 19971008

Priority
EP 97810754 A 19971008

Abstract (en)
[origin: EP0908592A1] The sprung hinge for a door flap hinged on its upper edge e.g. an upper flap for a cupboard, has an angled lever (3) which grips the inside of the door flap. The lever is joined to other control levers hinged on the support frame and with a compressed spring (21) element attached to one lever. In the lower, closed position of the door the lever linkage is at a dead point with the spring vector holding the flap closed. By slightly opening the flap the spring vector moves to enable the spring to assist in the opening of the flap until, in the open position, the spring holds the flap open.

IPC 1-7
E05F 1/10; **E05D 15/58**

IPC 8 full level
E05F 11/24 (2006.01); **E05D 15/58** (2006.01); **E05F 1/10** (2006.01)

CPC (source: EP US)
E05D 15/582 (2013.01 - EP US); **E05F 1/1058** (2013.01 - EP US); **E05Y 2900/20** (2013.01 - EP US)

Citation (examination)
• DE 1035011 B 19580724 - OBERHOLZ SOEHNE PAUL, et al
• DE 2151935 A1 19730426 - GOTTLOB AUWAERTER KG

Cited by
DE102015117291C5; EP3289158B1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
EP 0908592 A1 19990414; **EP 0908592 B1 20051221**; AT E313682 T1 20060115; DE 59712531 D1 20060126; DK 0908592 T3 20060410; ES 2255099 T3 20060616; HK 1018495 A1 19991224; JP 3545614 B2 20040721; JP H11159239 A 19990615; NO 322975 B1 20061218; NO 984677 D0 19981007; NO 984677 L 19990409; SG 65786 A1 19990622; US 6088964 A 20000718

DOCDB simple family (application)
EP 97810754 A 19971008; AT 97810754 T 19971008; DE 59712531 T 19971008; DK 97810754 T 19971008; ES 97810754 T 19971008; HK 99103453 A 19990810; JP 27146798 A 19980925; NO 984677 A 19981007; SG 1998004012 A 19981005; US 16815698 A 19981008