

Title (en)
Locking device with push-plate

Title (de)
Druckplattenverschluss

Title (fr)
Dispositif de verrouillage à poussoir

Publication
EP 1790806 A3 20090812 (DE)

Application
EP 06023780 A 20061116

Priority
DE 102005056144 A 20051123

Abstract (en)
[origin: EP1790806A2] The pressure plate closure (10) has a base plate (20) for fixing on a door which has a closure arm (60) for fixing on a door frame and a locking arm (50) pivotally mounted on the door. The base plate has a spring holder (30) with compression spring which impinges on the locking arm so that it can be pressed against the base plate. The spring holder is formed by a cylindrical rod (31) which has at one end a closure plate (32) of larger diameter whereby the compression spring is supported against this closure plate and locking arm. The base plate, closure arm and locking arm are made from aluminium.

IPC 8 full level
E05C 3/02 (2006.01); **E05B 15/04** (2006.01)

CPC (source: EP)
E05B 17/2034 (2013.01); **E05C 3/048** (2013.01); **E05B 15/101** (2013.01); **E05B 63/06** (2013.01)

Citation (search report)

- [Y] US 2722445 A 19551101 - CUDNEY CHARLES G
- [Y] FR 2465857 A1 19810327 - HARTWELL CORP [US]
- [XA] US 6606889 B1 20030819 - TWEEDY TIMOTHY [US]
- [XA] US 5638709 A 19970617 - CLAVIN TIMOTHY J [US]
- [A] US 4365831 A 19821228 - BOURNE WILLIAM R

Cited by
CN102535988A; EP2584126A3

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

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1790806 A2 20070530; EP 1790806 A3 20090812; EP 1790806 B1 20110817; AT E520853 T1 20110915; DE 102005056144 A1 20070524; ES 2370603 T3 20111220

DOCDB simple family (application)
EP 06023780 A 20061116; AT 06023780 T 20061116; DE 102005056144 A 20051123; ES 06023780 T 20061116