

Title (en)
Gate

Title (de)
Tor

Title (fr)
Porte

Publication
EP 1031698 A3 20010502 (DE)

Application
EP 00103802 A 20000223

Priority
DE 29903517 U 19990226

Abstract (en)
[origin: US6289966B1] The invention refers to a door with a door leaf consisting of one or more members that can swivel relative to each other, which is movable in a frame mounted on a building, guided on the side, from a vertical closed position into at least an approximately horizontal open position, where the door has a counterweight unit that is formed of at least one helical spring mounted on a horizontal pinion and that can be pre-tensioned by means of rotation, where the pinion is mounted directly on the door leaf with the helical spring. According to the invention, the pinion is mounted on the upper section of the door leaf in the closed state of the door.

IPC 1-7
E06B 3/48

IPC 8 full level
E05D 15/24 (2006.01); **E05D 15/38** (2006.01); **E05D 15/42** (2006.01); **E05F 1/16** (2006.01); **E05F 15/10** (2006.01); **E06B 3/48** (2006.01); **E05F 15/16** (2006.01)

CPC (source: EP US)
E05D 13/1261 (2013.01 - EP US); **E05F 15/686** (2015.01 - EP US); **E05Y 2201/484** (2013.01 - EP US); **E05Y 2900/106** (2013.01 - EP US)

Citation (search report)

- [AD] EP 0648307 B1 19980812 - WAYNE DALTON CORP [US]
- [AD] DE 29805716 U1 19980618 - GUENTHER TORE GMBH [DE]
- [A] US 2093019 A 19370914 - NORBERG WILLIAM A
- [A] US 3934635 A 19760127 - KIN HENRY

Cited by
EP1908912A1

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

DOCDB simple family (publication)
US 6289966 B1 20010918; AT E280886 T1 20041115; DE 19952038 A1 20001019; DE 29903517 U1 19990602; DE 50008373 D1 20041202; EP 1031698 A2 20000830; EP 1031698 A3 20010502; EP 1031698 B1 20041027; ES 2228317 T3 20050416

DOCDB simple family (application)
US 51360400 A 20000225; AT 00103802 T 20000223; DE 19952038 A 19991028; DE 29903517 U 19990226; DE 50008373 T 20000223; EP 00103802 A 20000223; ES 00103802 T 20000223