

Title (en)
UPPER DOOR CLOSER

Title (de)
OBENTÜRSCHLIESSER

Title (fr)
FERME-PORTES POSE SUR LE HAUT

Publication
EP 1784552 A1 20070516 (DE)

Application
EP 05786285 A 20050818

Priority
• EP 2005008938 W 20050818
• DE 102004041358 A 20040825

Abstract (en)
[origin: WO2006021362A1] The invention relates to an upper door closer. According to the invention, the width of the casing, enclosing the upper door closer, may be reduced, whereby the upper door closer comprises two pressure springs (12, 13) one within the other, the spring support body (11) and the damping piston (21) have a rotational fixation relative to the stroke cam (7) and the housing wall (1a) has a reduced cross-section to both sides of the longitudinal axis, such as to result in an essentially planar outwardly-facing surface.

IPC 8 full level
E05F 3/10 (2006.01)

CPC (source: EP US)
E05F 3/104 (2013.01 - EP US); **E05F 3/227** (2013.01 - EP US); **E05Y 2201/11** (2013.01 - EP US); **E05Y 2600/10** (2013.01 - EP US); **E05Y 2800/22** (2013.01 - EP US); **E05Y 2900/132** (2013.01 - EP US)

Citation (search report)
See references of WO 2006021362A1

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

DOCDB simple family (publication)
DE 102004041358 A1 20060302; DE 102004041358 B4 20060713; AU 2005276670 A1 20060302; CN 101006242 A 20070725; EP 1784552 A1 20070516; JP 2008510906 A 20080410; NO 20071546 L 20070323; US 2007256275 A1 20071108; WO 2006021362 A1 20060302

DOCDB simple family (application)
DE 102004041358 A 20040825; AU 2005276670 A 20050818; CN 200580028375 A 20050818; EP 05786285 A 20050818; EP 2005008938 W 20050818; JP 2007528695 A 20050818; NO 20071546 A 20070323; US 66017805 A 20050818