

Title (en)
Sectional door system

Title (de)
Sektionaltorsystem

Title (fr)
Système de porte sectionnelle

Publication
EP 2208844 A1 20100721 (EN)

Application
EP 09075576 A 20091230

Priority
NL 1036426 A 20090115

Abstract (en)
A sectional door system comprising a number of pivotally coupled-together elongate door panels (2), which are movably supported in guide sections (3) near short sides, which sectional door system further comprises an elongate spring system (10) for assisting in moving the door panels. The spring system is connected to first and second mounting plates (14,16) near first and second ends, respectively. The first mounting plate (14) is provided with a pin (26) which is oriented in a plane extending substantially transversely to the door panels (2). The pin (26) includes an angle of at least 5 degrees with the horizontal in an upwardly inclined direction, whilst the first end of the spring system is provided with a plate (31) provided with a passage (41). The passage can be positioned over the pin. At least the first mounting plate (14) and the plate (31) provided with the passage (41) comprise surfaces (22,37) extending at an angle to the vertical, which surfaces will abut against each other once the spring system (10) is connected to the mounting plates (14,16).

IPC 8 full level
E05D 13/00 (2006.01)

CPC (source: EP)
E05D 13/1261 (2013.01); **E05D 13/1269** (2013.01); **E05Y 2600/528** (2013.01); **E05Y 2600/56** (2013.01); **E05Y 2600/60** (2013.01); **E05Y 2600/62** (2013.01); **E05Y 2600/626** (2013.01); **E05Y 2900/106** (2013.01)

Citation (applicant)
• EP 1818488 A1 20070815 - MEULDERS PIERRE [BE]
• EP 1972745 A1 20080924 - FLEXI FORCE B V [NL]

Citation (search report)
• [AD] EP 1972745 A1 20080924 - FLEXI FORCE B V [NL]
• [A] US 5964268 A 19991012 - CARPER KENNETH E [US], et al
• [A] US 3038535 A 19620612 - STROUP EARL L, et al

Cited by
CN103437697A; DE202014103065U1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2208844 A1 20100721; **EP 2208844 B1 20121017**; ES 2397804 T3 20130311; NL 1036426 C2 20100719; PL 2208844 T3 20130329

DOCDB simple family (application)
EP 09075576 A 20091230; ES 09075576 T 20091230; NL 1036426 A 20090115; PL 09075576 T 20091230