

Title (en)
MECHANIC-MAGNETIC CONNECTING STRUCTURE

Title (de)
MECHANISCH-MAGNETISCHE VERBINDUNGSKONSTRUKTION

Title (fr)
STRUCTURE DE LIAISON MÉCANICO-MAGNÉTIQUE

Publication
EP 2040572 A2 20090401 (DE)

Application
EP 07801151 A 20070712

Priority
• DE 2007001245 W 20070712
• DE 102006032522 A 20060712
• DE 102007031399 A 20070705

Abstract (en)
[origin: WO2008006357A2] The invention relates to a connecting structure which comprises the following features: a locking device having a spring-loaded locking element (9) and a locking element (5) for locking the connecting modules, and a magnet/armature structure having a magnet (4) and an armature (8). The locking device and the magnet/armature structure are functionally linked by the following features: the magnet (4) and the armature (8) can be displaced, the magnet (4) or the armature (8) is coupled to the locking bar (5) via a coupling element (7) so that the locking element (5), when displaced between the magnet (4) and the armature (8), can be brought into a non-locking position. The magnetic force is chosen in such a manner that the connecting modules are pulled towards each other during closing, the spring-loaded locking element (9) pushing against the locking element (5) until it snaps into engagement and the magnetic force is weaker during release once the locking position of the locking element (5) and the spring-loaded locking element (8) is reached in order to separate the module. The structure also comprises return elements for returning the locking element (5) to its initial position.

IPC 8 full level
A45C 13/10 (2006.01); **A41F 1/00** (2006.01); **A44B 11/25** (2006.01); **A44B 17/00** (2006.01); **A44B 99/00** (2010.01)

CPC (source: EP KR US)
A41F 1/00 (2013.01 - KR); **A44B 11/25** (2013.01 - KR); **A44B 11/258** (2013.01 - EP US); **A44B 11/2592** (2013.01 - EP US); **A44B 17/0011** (2013.01 - EP US); **A44B 99/00** (2013.01 - KR); **A45C 13/10** (2013.01 - KR); **A45C 13/1069** (2013.01 - EP US); **A44B 99/00** (2013.01 - EP US); **A44D 2203/00** (2013.01 - EP US); **A45F 2003/001** (2013.01 - EP US); **E05B 15/0073** (2013.01 - EP US); **E05C 19/16** (2013.01 - EP US); **H01F 7/0263** (2013.01 - EP US); **Y10T 292/11** (2015.04 - EP US)

Citation (search report)
See references of WO 2008006357A2

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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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2008006357 A2 20080117; WO 2008006357 A3 20080605; AU 2007272165 A1 20080117; AU 2007272165 B2 20121004; CA 2681141 A1 20080117; CA 2681141 C 20130409; EP 2040572 A2 20090401; EP 2040572 B1 20121205; EP 2436280 A1 20120404; EP 2436280 B1 20170524; ES 2632754 T3 20170915; HK 1140388 A1 20101015; JP 2009542380 A 20091203; JP 5060554 B2 20121031; KR 101130654 B1 20120402; KR 20090033469 A 20090403; PL 2436280 T3 20171229; RU 2009104626 A 20100820; RU 2415623 C2 20110410; US 2010283269 A1 20101111; US 8430434 B2 20130430

DOCDB simple family (application)
DE 2007001245 W 20070712; AU 2007272165 A 20070712; CA 2681141 A 20070712; EP 07801151 A 20070712; EP 11175558 A 20070712; ES 11175558 T 20070712; HK 10106879 A 20100715; JP 2009518717 A 20070712; KR 20097002766 A 20070712; PL 11175558 T 20070712; RU 2009104626 A 20070712; US 37339507 A 20070712