

Title (en)
MAGNETIC LOCK AND DOOR

Title (de)
MAGNETSCHLOSS SOWIE TÜR

Title (fr)
SERRURE MAGNÉTIQUE AINSI QUE PORTE

Publication
EP 3680426 A1 20200715 (DE)

Application
EP 19213719 A 20191205

Priority
DE 102019100637 A 20190111

Abstract (en)
[origin: US2020224455A1] A magnetic lock has a magnetically operable latch having a magnetically repellable or attractable latch element. A magnetic operating device spaced from the latch has a first magnet with a respective magnetic direction and a second magnet with a respective magnetic direction. The first magnet is rotatable between a latched position with its magnetic direction generally parallel to and pointing oppositely to the magnetic direction of the second magnet for contracting a magnetic field formed by the first and second magnets, and a release position generally parallel to and with its magnetic direction pointing the same as the second magnet for extending the magnetic field to and repelling or attracting the latch element.

Abstract (de)
Die Erfindung betrifft ein Magnetschloss mit einer Bedieneinheit (4a, 4b) und einer magnetisch betätigbaren Verriegelungseinheit (6). Die Bedieneinheit (4a, 4b) weist einen um eine Drehachse (9) zwischen einer Schließposition und einer Freigabeposition (drehbaren ersten Magneten (8a) einer Magnetanordnung (8a, 8b) auf. Die Verriegelungseinheit (6) ist in der Schließposition durch das Magnetfeld der Magnetanordnung (8a, 8b) verriegelt. Erfindungsgemäß weist die Magnetanordnung (8a, 8b) einen zweiten Magneten (8b) auf, welcher in der Schließposition gleichsinnig und in der Freigabeposition gegensinnig zu den ersten Magneten (8a) ausgerichtet ist.

IPC 8 full level
E05B 47/00 (2006.01); **E05B 65/00** (2006.01); **E05C 3/24** (2006.01); **E05C 19/16** (2006.01)

CPC (source: CN EP US)
E05B 47/0038 (2013.01 - EP); **E05B 47/004** (2013.01 - US); **E05B 47/0047** (2013.01 - EP); **E05B 65/0025** (2013.01 - EP); **E05B 65/02** (2013.01 - CN); **E05C 3/24** (2013.01 - EP); **E05C 17/56** (2013.01 - CN); **E05C 19/16** (2013.01 - CN); **E05C 19/163** (2013.01 - EP US); **E05C 19/168** (2013.01 - US)

Citation (applicant)
EP 1608830 B1 20091021 - DRUMM GMBH [DE]

Citation (search report)
• [X] US 2012187703 A1 20120726 - GOODMAN E CARL [US], et al
• [YDA] EP 1608830 B1 20091021 - DRUMM GMBH [DE]
• [Y] WO 0143147 A1 20010614 - UNDERWOOD PERRY JOHN [AU], et al
• [A] US 2011018659 A1 20110127 - FULLERTON LARRY W [US], et al
• [A] DE 2904995 A1 19800821 - FUSS FRITZ KG
• [A] GB 1321834 A 19730704 - CLARKE INSTR LTD

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Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3680426 A1 20200715; CN 111434877 A 20200721; DE 102019100637 A1 20200716; RU 2019143131 A 20210623; US 11466474 B2 20221011; US 2020224455 A1 20200716

DOCDB simple family (application)
EP 19213719 A 20191205; CN 202010024114 A 20200110; DE 102019100637 A 20190111; RU 2019143131 A 20191223; US 202016736889 A 20200108