

Title (en)
LOCKING MAGNET CLOSURE

Title (de)
RAST-MAGNET-VERSCHLUSS

Title (fr)
SERRURE À AIMANT D'ARRÊT

Publication
EP 2252176 B1 20150415 (DE)

Application
EP 09704283 A 20090127

Priority
• DE 2009000090 W 20090127
• DE 102008006135 A 20080127
• DE 102009006003 A 20090123

Abstract (en)
[origin: WO2009092368A2] The invention relates to a closure for closing preferably handbags, furniture, doors, and comparable objects, made of a first closure module and a second closure module having the following characteristics: a magnetic keeper design pulling the closure module 1 and the closure module 2 together in the direction of closure, closure module 1 and closure module 2 being rotatable or displaceable for opening in opening direction Y lateral to closing direction X, a locking device having at least one spring locking element made of an engaging protrusion and a spring, wherein the locking piece pushes to the spring locking element the side in a direction Z when closing and then engages with the engaging protrusion, and wherein, the locking piece and the spring locking element are pushed against each other from an engagement position to a non-engagement position when displacing the closure module 1 and the closure module 2 in the opening direction Y, wherein the spring of the spring locking element is designed and disposed so that it comprises a double function, namely that the spring deflects by bending lightly in the direction Z when closing, but the spring is rigid in bending under load on the closure opposite the closing direction X.

IPC 8 full level
A45C 13/10 (2006.01); **A44B 11/25** (2006.01); **E05B 47/00** (2006.01); **E05C 19/16** (2006.01)

CPC (source: EP US)
A45C 13/1069 (2013.01 - EP US); **A45C 13/1084** (2013.01 - EP US); **E05B 15/04** (2013.01 - EP US); **E05B 47/004** (2013.01 - EP US); **E05C 19/06** (2013.01 - EP US); **H01F 7/0263** (2013.01 - EP US); **Y10T 24/32** (2015.01 - EP US); **Y10T 292/0809** (2015.04 - EP US); **Y10T 292/0894** (2015.04 - EP US); **Y10T 292/11** (2015.04 - EP US); **Y10T 292/496** (2015.04 - EP US); **Y10T 292/68** (2015.04 - EP US)

Cited by
EP4108124A1; DE102022206461B3; DE102021206640A1; DE102021208311B3; EP4124257A1; US11857033B2

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 TR

DOCDB simple family (publication)
WO 2009092368 A2 20090730; **WO 2009092368 A3 20091217**; CN 101925313 A 20101222; CN 101925313 B 20121017; EP 2252176 A2 20101124; EP 2252176 B1 20150415; US 2010308605 A1 20101209; US 8353544 B2 20130115

DOCDB simple family (application)
DE 2009000090 W 20090127; CN 200980103234 A 20090127; EP 09704283 A 20090127; US 86472809 A 20090127