

Title (en)
BISTABLE MAGNETIC FASTENING DEVICE

Title (de)
BISTABILE MAGNETISCHE FIXIERVORRICHTUNG

Title (fr)
DISPOSITIF DE FIXATION MAGNETIQUE BISTABLE

Publication
EP 2283494 A1 20110216 (FR)

Application
EP 09753844 A 20090525

Priority
• EP 2009056276 W 20090525
• FR 0853440 A 20080527

Abstract (en)
[origin: WO2009144189A1] The invention relates to a bistable magnetic fastening device that comprises: a non-magnetic bearing housing (250) in the form of a duct having a rectangular cross-section; a magnetic circuit including a base and three pins perpendicular to said base (222), the two outer pins (230) and the base (222) defining a U; a permanent magnet (213) in the form of a rod provided between the base (222) and the central pin (275); a coil (214) surrounding the central pin (275); a mobile planar part (221); return and guiding means connected to the inner side walls of the bearing in order to return the magnetic circuit towards the upper portion of the bearing housing.

IPC 8 full level
H01F 7/02 (2006.01); **H01F 7/04** (2006.01)

CPC (source: EP US)
A61F 5/3761 (2013.01 - EP US); **H01F 7/04** (2013.01 - EP US); **H01F 7/081** (2013.01 - EP US); **H01F 7/1646** (2013.01 - EP US); **H01F 2007/1669** (2013.01 - EP US)

Citation (search report)
See references of WO 2009144189A1

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

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009144189 A1 20091203; EP 2283494 A1 20110216; FR 2931994 A1 20091204; FR 2931994 B1 20100625; US 2011073118 A1 20110331; US 8327853 B2 20121211

DOCDB simple family (application)
EP 2009056276 W 20090525; EP 09753844 A 20090525; FR 0853440 A 20080527; US 99444809 A 20090525