

Title (en)
CAP-SCREWING DEVICE USING A MAGNETIC ENGAGEMENT SYSTEM

Title (de)
VORRICHTUNG ZUM ANSCHRAUBEN VON VERSCHLÜSSE MITTELS MAGNETKUPPLUNG

Title (fr)
DISPOSITIF DE VISSAGE DE BOUCHONS PAR EMBRAYAGE MAGNETIQUE

Publication
EP 1899257 B1 20130410 (FR)

Application
EP 06764611 A 20060512

Priority
• FR 2006001068 W 20060512
• FR 0505019 A 20050519

Abstract (en)
[origin: WO2006123039A1] The invention relates to a device for screwing caps to containers. The inventive device comprises a rotating spindle (1) having a first end which is equipped with a cap (8)-gripping head and a second end which is connected to an engagement element (11). The aforementioned engagement element comprises two parts, namely: one part which is rotationally fixed to the second end of the rotating spindle, and one part which is rotationally fixed to a drive shaft (12) which is coaxial to the spindle and which is associated with a drive member (13, 2). The invention is characterised in that the aforementioned parts of the connecting member comprise a magnetic barrel (14) and a magnetic core (17) which is suitably dimensioned such that it can be inserted into the barrel. In addition, the device also comprises a member (18, 19, 20, 21) for moving the barrel and the core in relation to one another between a position in which the core is inserted inside the barrel and a position in which the core is retracted from the barrel.

IPC 8 full level
B67B 3/20 (2006.01)

CPC (source: EP US)
B67B 3/2033 (2013.01 - EP US); **B67B 3/2086** (2013.01 - EP US)

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006123039 A1 20061123; BR PI0610792 A2 20100727; CN 101180232 A 20080514; CN 101180232 B 20110720; EP 1899257 A1 20080319; EP 1899257 B1 20130410; ES 2411705 T3 20130708; FR 2885896 A1 20061124; FR 2885896 B1 20070727; JP 2008540270 A 20081120; JP 4908499 B2 20120404; PT 1899257 E 20130528; US 2006260277 A1 20061123; US 2008115466 A1 20080522; US 7334380 B2 20080226; US 7472527 B2 20090106

DOCDB simple family (application)
FR 2006001068 W 20060512; BR PI0610792 A 20060512; CN 200680017216 A 20060512; EP 06764611 A 20060512; ES 06764611 T 20060512; FR 0505019 A 20050519; JP 2008510616 A 20060512; PT 06764611 T 20060512; US 43571106 A 20060518; US 98750907 A 20071130