

Title (en)  
DEVICE FOR SCREWING SCREW-TYPE CLOSURES ONTO CONTAINERS

Title (de)  
VORRICHTUNG ZUM AUFSCHRAUBEN VON SCHRAUBVERSCHLÜSSEN AUF BEHÄLTER

Title (fr)  
DISPOSITIF POUR VISSER DES BOUCHONS FILETES SUR DES RECIPIENTS

Publication  
**EP 1387812 A1 20040211 (DE)**

Application  
**EP 02735319 A 20020430**

Priority  
• DE 10124659 A 20010518  
• EP 0204739 W 20020430

Abstract (en)  
[origin: WO02094704A1] The invention relates to a device for screwing a screw-type closure onto a container. Said device comprises a magnetic coupling located between a drivable spindle and the closing head. According to the invention, an inductive detector is provided in the peripheral area of the permanent magnets, which are joined to the closing head, whereby detecting the state of motion of the permanent magnets. This enables, in the most simple possible manner, the rotational speed of the closing head to be monitored, and faults such as an incorrect container clamping, a defective closing cone or a defective thread to be reliably determined.

IPC 1-7  
**B67B 3/20**; **B67B 3/26**

IPC 8 full level  
**B67B 3/20** (2006.01); **B67B 3/26** (2006.01)

CPC (source: EP US)  
**B67B 3/2033** (2013.01 - EP US); **B67B 3/2086** (2013.01 - EP US); **B67B 3/261** (2013.01 - EP US)

Citation (search report)  
See references of WO 02094704A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 02094704 A1 20021128**; AT E310710 T1 20051215; DE 10124659 A1 20021205; DE 50205033 D1 20051229; EP 1387812 A1 20040211; EP 1387812 B1 20051123; JP 2004519396 A 20040702; JP 4184810 B2 20081119; US 2003154688 A1 20030821; US 7124552 B2 20061024

DOCDB simple family (application)  
**EP 0204739 W 20020430**; AT 02735319 T 20020430; DE 10124659 A 20010518; DE 50205033 T 20020430; EP 02735319 A 20020430; JP 2002591382 A 20020430; US 31118002 A 20021213