

Title (en)  
CAP GRIPPING DEVICE

Title (de)  
VERSCHLUSSGREIFWERKZEUG

Title (fr)  
DISPOSITIF DE PRÉHENSION DE CAPUCHON

Publication  
**EP 1979262 A1 20081015 (EN)**

Application  
**EP 07709177 A 20070125**

Priority  
• NL 2007050029 W 20070125  
• NL 1031016 A 20060127

Abstract (en)  
[origin: WO2007086742A1] Cap-gripping device consisting of a base body and a gripper arm which is hingedly connected thereto. Inside, an opening is delimited for accommodating and engaging with a lid by forcing the gripper arm against the Hd. According to the present invention, the gripper arm is designed such that the engagement surface thereof is positioned in such a manner, with the hinge thereof relative to the base body, that upon rotation in the desired direction, this rotation causes a restraining effect, thus preventing the lid and the cap-gripping device from slipping. As a result of the relatively large dimensions of the engagement surfaces for the hand, it is possible to exert a relatively great torque on the lid using the gripping device than when the lid is engaged with the hand directly. As a result, the lid can be removed with a relatively great force. The engagement surface on the gripper arm is preferably of convex shape. During engagement, the hinge is as far as possible on the outside of the device, so that a maximum restraining effect is achieved.

IPC 8 full level  
**B67B 7/18** (2006.01)

CPC (source: EP)  
**B67B 7/18** (2013.01); **B67B 7/44** (2013.01)

Citation (search report)  
See references of WO 2007086742A1

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 2007086742 A1 20070802**; EP 1979262 A1 20081015; NL 1031016 C2 20070730

DOCDB simple family (application)  
**NL 2007050029 W 20070125**; EP 07709177 A 20070125; NL 1031016 A 20060127