

Title (en)
CLOSING CONE

Title (de)
VERSCHLIESSKONUS

Title (fr)
CONE DE FERMETURE

Publication
EP 1525151 B1 20070822 (DE)

Application
EP 03738047 A 20030617

Priority
• DE 10232846 A 20020719
• EP 0306371 W 20030617

Abstract (en)
[origin: WO2004009484A1] The invention relates to a closing cone for screwing screw tops onto containers, especially bottles. Said closing cone comprises a receiver, having a picking ring non-rotationally linked therewith, and a picking device. The closing cone is characterized in that the picking ring (5) is segmented and has movable segments (17) and in that an actuator (65) is provided that interacts with the segments (17) to adjust a variable inner diameter of the picking ring (5).

IPC 8 full level
B67B 3/20 (2006.01)

CPC (source: EP US)
B67B 3/2066 (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004009484 A1 20040129; AT E370912 T1 20070915; AU 2003245955 A1 20040209; DE 10232846 A1 20040212;
DE 50308013 D1 20071004; EP 1525151 A1 20050427; EP 1525151 B1 20070822; ES 2291652 T3 20080301; HR P20041228 A2 20050228;
MX PA04012967 A 20050516; NO 20050469 L 20050127; PL 372907 A1 20050808; RU 2005104556 A 20050720; RU 2291834 C2 20070120;
US 2006162286 A1 20060727; US 7322165 B2 20080129

DOCDB simple family (application)
EP 0306371 W 20030617; AT 03738047 T 20030617; AU 2003245955 A 20030617; DE 10232846 A 20020719; DE 50308013 T 20030617;
EP 03738047 A 20030617; ES 03738047 T 20030617; HR P20041228 A 20041230; MX PA04012967 A 20030617; NO 20050469 A 20050127;
PL 37290703 A 20030617; RU 2005104556 A 20030617; US 52204805 A 20050726