

Title (en)
SCREW CAP HAVING A SAFETY RING AND SAFETY SEAL AND METHOD FOR PROVIDING A CONTAINER HAVING SAID SCREW CAP

Title (de)
SCHRAUBVERSCHLUSS MIT SICHERHEITSRING UND SICHERHEITSSIEGEL, SOWIE VERFAHREN ZUR BEREITSTELLUNG EINES BEHÄLTERS MIT DIESEM SCHRAUBVERSCHLUSS

Title (fr)
CAPUCHON FILETÉ MUNI D'UNE BAGUE DE SÉCURITÉ ET D'UN SCEAU DE SÉCURITÉ, AINSI QUE PROCÉDÉ DE PRÉPARATION D'UN RÉCIPIENT PRÉSENTANT CE CAPUCHON FILETÉ

Publication
EP 2382139 B1 20130313 (DE)

Application
EP 10706912 A 20100129

Priority
• EP 2010000536 W 20100129
• DE 102009006614 A 20090129

Abstract (en)
[origin: WO2010086171A1] The invention relates to a screw cap (1) having a safety ring (2) for sealing an opening of a container, wherein the screw cap (1) is connected to the safety ring (2) by breakable bridge elements (4) and the safety ring (2) has detent means that are used to engage on a bead at the opening of the container. When the screw cap (1) is first unscrewed, the bridge elements break and the screw cap (1) and safety ring (2) are separated from one another. A safety seal is provided on the screw cap (1) and safety ring (2) and is damaged upon unscrewing it for the first time. The invention also relates to a method for applying the safety seal to the screw cap, separately from the filling and sealing process of the container.

IPC 8 full level
B65D 41/34 (2006.01); **B65D 55/06** (2006.01)

CPC (source: EP KR US)
B65D 41/34 (2013.01 - KR); **B65D 41/3428** (2013.01 - EP US); **B65D 49/12** (2013.01 - KR); **B65D 55/06** (2013.01 - EP KR US)

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 SM TR

DOCDB simple family (publication)
WO 2010086171 A1 20100805; BR PI1007172 A2 20160223; BR PI1007172 B1 20190402; CA 2749756 A1 20100805; CA 2749756 C 20170411; CN 102300780 A 20111228; CN 102300780 B 20130724; CY 1114136 T1 20160727; DE 102009006614 A1 20100812; EA 020670 B1 20141230; EA 201170968 A1 20120228; EP 2382139 A1 20111102; EP 2382139 B1 20130313; KR 101625967 B1 20160531; KR 20110108376 A 20111005; MX 2011008019 A 20110817; MY 154582 A 20150630; PL 2382139 T3 20130731; SI 2382139 T1 20130731; US 2011278299 A1 20111117; US 9327878 B2 20160503; ZA 201104867 B 20120328

DOCDB simple family (application)
EP 2010000536 W 20100129; BR PI1007172 A 20100129; CA 2749756 A 20100129; CN 201080005843 A 20100129; CY 131100326 T 20130423; DE 102009006614 A 20090129; EA 201170968 A 20100129; EP 10706912 A 20100129; KR 20117017705 A 20100129; MX 2011008019 A 20100129; MY PI2011003516 A 20100129; PL 10706912 T 20100129; SI 201030188 T 20100129; US 201013138295 A 20100129; ZA 201104867 A 20110701