

Title (en)
SHEET-MATERIAL PIERCER FOR A CONTAINER CLOSURE

Title (de)
FOLIENSTECHER FÜR EINEN BEHÄLTERVERSCHLUSS

Title (fr)
PERCE-FEUILLE POUR FERMETURE DE RÉCIPIENT

Publication
EP 2217508 B1 20111207 (DE)

Application
EP 08800481 A 20081016

Priority
• CH 2008000435 W 20081016
• CH 16442007 A 20071022

Abstract (en)
[origin: WO2009052642A1] A sheet-material piercer (1) for a container closure (2) of the push-pull type is of essentially rotationally symmetrical design and can be inserted into the container closure (2) in the direction of the axis of rotation of symmetry (R) such that it can be displaced axially independently of the push-pull part of the container closure (2). The sheet-material piercer (1) is in one piece and has at least one sealing formation (16, 17, 18) which is likewise of rotationally symmetrical design and is arranged between an actuating end (13) and a piercing end (14). The sealing formation (16, 17, 18) is designed for sealing and latching contact with the container closure (2). Also proposed is a container closure (2) for a container (3) with a so-called push-pull closure and such a sheet-material piercer (1).

IPC 8 full level
B65D 47/24 (2006.01); **B65D 51/28** (2006.01)

CPC (source: EP US)
B65D 47/243 (2013.01 - EP US); **B65D 51/2828** (2013.01 - EP US); **B65D 51/2864** (2013.01 - EP US)

Cited by
GB2595478A; WO2021239853A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
RS

DOCDB simple family (publication)
WO 2009052642 A1 20090430; AT E536316 T1 20111215; AU 2008316238 A1 20090430; AU 2008316238 B2 20111020; BR PI0817902 A2 20150331; CA 2703134 A1 20090430; CA 2703134 C 20120403; CN 101848844 A 20100929; CN 101848844 B 20121226; EP 2217508 A1 20100818; EP 2217508 B1 20111207; ES 2378788 T3 20120417; HK 1148717 A1 20110916; HR P20120186 T1 20120430; JP 2011500469 A 20110106; JP 5542057 B2 20140709; KR 101229101 B1 20130201; KR 20100072320 A 20100630; MX 2010004128 A 20101004; PL 2217508 T3 20120531; RS 52244 B 20121031; RU 2435716 C1 20111210; SI 2217508 T1 20120731; US 2010237075 A1 20100923; US 8479943 B2 20130709

DOCDB simple family (application)
CH 2008000435 W 20081016; AT 08800481 T 20081016; AU 2008316238 A 20081016; BR PI0817902 A 20081016; CA 2703134 A 20081016; CN 200880112282 A 20081016; EP 08800481 A 20081016; ES 08800481 T 20081016; HK 11102720 A 20110318; HR P20120186 T 20120227; JP 2010530239 A 20081016; KR 20107009397 A 20081016; MX 2010004128 A 20081016; PL 08800481 T 20081016; RS P20120086 A 20081016; RU 2010120650 A 20081016; SI 200830560 T 20081016; US 73426508 A 20081016