

Title (en)

Method and device for producing tear-open lids

Title (de)

Verfahren und Vorrichtung zur Herstellung von Aufreissdeckeln

Title (fr)

Procédé et dispositif destinés à la fabrication de couvercles à ouverture facile

Publication

EP 2272602 A3 20110803 (DE)

Application

EP 10006268 A 20100617

Priority

CH 10682009 A 20090709

Abstract (en)

[origin: EP2272602A2] The method involves positioning a lever ring in inclined manner, which has a beading (24) and a sealing surface adjoined to its beaded edge (24'). The sealing surface is sealed with its end adjoining to the lever ring opening. A tear off membrane is sealed to the sealing surface. A portion of sealing surface adjacent to the beading edge is clamped with the tear off membrane between the upper and the lower clamping tools (30,31) with flat clamping surfaces (32,33) for clamping of tear off membrane after the sealing. Independent claims are also included for the following: (1) a pull-tab lid; and (2) a device for manufacturing of pull-tab lid.

IPC 8 full level

B21D 51/44 (2006.01)

CPC (source: EP US)

B21D 51/443 (2013.01 - EP US); **Y10T 29/49908** (2015.01 - EP US); **Y10T 29/49915** (2015.01 - EP US); **Y10T 29/49936** (2015.01 - EP US); **Y10T 29/53709** (2015.01 - EP US); **Y10T 29/53791** (2015.01 - EP US); **Y10T 156/1043** (2015.01 - EP US)

Citation (search report)

- [XJ] WO 2005070585 A1 20050804 - HEYN WILLIAM M [US]
- [XA] FR 2687633 A1 19930827 - LORRAINE LAMINAGE [FR]
- [AD] WO 2007045385 A1 20070426 - ALCAN TECH & MAN LTD [CH], et al
- [AD] WO 2005019047 A2 20050303 - IMPRESS GROUP BV [NL], et al

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CH705595A1; US2022396393A1

Designated contracting state (EPC)

AL 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

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2272602 A2 20110112; EP 2272602 A3 20110803; EP 2272602 B1 20140423; BR PI1002632 A2 20120327; BR PI1002632 B1 20191015; CH 701451 A2 20110114; CN 101947608 A 20110119; CN 101947608 B 20150107; DK 2272602 T3 20140728; ES 2465011 T3 20140604; US 2011168713 A1 20110714; US 8287220 B2 20121016

DOCDB simple family (application)

EP 10006268 A 20100617; BR PI1002632 A 20100709; CH 10682009 A 20090709; CN 201010227967 A 20100708; DK 10006268 T 20100617; ES 10006268 T 20100617; US 83241210 A 20100708