

Title (en)

Device for opening a container for pourable products

Title (de)

Vorrichtungen zum Öffnen eines Behälters für fließfähige Erzeugnisse

Title (fr)

Dispositif d'ouverture d'un récipient pour produits pouvant être versés

Publication

EP 2674372 A1 20131218 (EN)

Application

EP 12004447 A 20120612

Priority

EP 12004447 A 20120612

Abstract (en)

Device (1) for opening a container (6) for pourable products (100) of the type comprising a laminate (2) provided with at least one paper, or cardboard, layer (3), having at least one perforated portion (4), and with at least one aluminium layer (5) directly or indirectly applied to the inside of said at least one paper, or cardboard, layer, wherein said at least one paper, or cardboard, layer has at least two discrete pre-weakening lines (7, 8) extending from said at least one perforated portion of said at least one paper, or cardboard, layer, said opening device comprising at least one frame (9) which can be anchored to said container (6) around at least part of said at least one perforated portion and having at least one fixed portion (9a) and at least one removable portion (9b), wherein said at least one removable portion (9b) is provided with at least one grip portion (10), which can be grasped from outside, and with at least one constraining portion (11) comprising at least one first region (12) which is directly or indirectly constrained to at least part of said at least one aluminium layer at said at least one perforated portion, said at least one grip portion being adapted to separate, under the action of an external Force, at least partially, said removable portion from said at least one frame, and to lift, at said at least one first region, said at least one aluminium layer and, between said two pre-weakening lines, said at least one paper, or cardboard, layer.

IPC 8 full level

B65D 75/58 (2006.01); **B65D 75/70** (2006.01)

CPC (source: EP)

B65D 75/5838 (2013.01); **B65D 75/70** (2013.01)

Citation (applicant)

- IT MI20112054 A 20111111
- EP 0558946 B1 19970416 - TETRA LAVAL HOLDINGS & FINANCE [CH]
- EP 1867571 A1 20071219 - IPI SRL [IT]

Citation (search report)

- [YA] WO 2004035388 A2 20040429 - TETRA LAVAL HOLDINGS & FINANCE [CH], et al
- [YA] EP 1939094 A1 20080702 - IPI SRL [IT]
- [AD] EP 1867571 A1 20071219 - IPI SRL [IT]
- [A] EP 0330812 A1 19890906 - NESTLE SA [CH]
- [A] EP 1627822 A2 20060222 - SEALSTRIP CORP [US]
- [AD] EP 0558946 B1 19970416 - TETRA LAVAL HOLDINGS & FINANCE [CH]

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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2674372 A1 20131218; **EP 2674372 A8 20140528**; CN 104379465 A 20150225; RU 2014153442 A 20160727; WO 2013185902 A1 20131219

DOCDB simple family (application)

EP 12004447 A 20120612; CN 201380030922 A 20130611; EP 2013001699 W 20130611; RU 2014153442 A 20130611