

Title (en)

A CAP AND NECK ASSEMBLY FOR A FOOD PACKAGE

Title (de)

KAPPEN- UND HALSANORDNUNG FÜR EINE LEBENSMITTELPACKUNG

Title (fr)

ENSEMBLE BOUCHON ET COL POUR UN EMBALLAGE ALIMENTAIRE

Publication

EP 3296224 A1 20180321 (EN)

Application

EP 17191694 A 20170918

Priority

- EP 16189723 A 20160920
- EP 16189722 A 20160920
- EP 16201198 A 20161129

Abstract (en)

A cap and neck assembly for closing an upper end of a package (10) is provided. The neck (20) is formed by a tubular member (110) being provided with external threads (22), and an upper tubular portion (120) extending from the tubular member (110) and being releasably attached to a membrane (150) closing an upper end of said upper portion (120). The cap has a lower portion (31) being provided with internal threads (32) for engagement with the threads (22) of the neck (20), and an upper portion (33) being provided with at least one cutting element (50) configured to separate the membrane (150) from the neck (20). When the cap (30) is threaded onto the neck (20) to its axial end position for the first time prior to separating the membrane (150) from the neck (20), the axial distance between a cutting edge (54) of the cutting element (50) and the membrane flange (170) is less than 1 mm.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [A] WO 2014202518 A1 20141224 - TETRA LAVAL HOLDINGS & FINANCE [CH]
- [AD] WO 2011144569 A2 20111124 - TETRA LAVAL HOLDINGS & FINANCE [CH], et al
- [AD] WO 2013072475 A1 20130523 - TETRA LAVAL HOLDINGS & FINANCE [CH]
- [A] US 2011155687 A1 20110630 - AMMANN RAINER [DE]
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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

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EP 3296224 A1 20180321; **EP 3296224 B1 20190515**; BR 112019005260 A2 20190604; CN 109715512 A 20190503; EP 3539893 A1 20190918; JP 2019529267 A 20191017; US 2021292061 A1 20210923; WO 2018054845 A1 20180329

DOCDB simple family (application)

EP 17191694 A 20170918; BR 112019005260 A 20170918; CN 201780057792 A 20170918; EP 19166821 A 20170918; EP 2017073502 W 20170918; JP 2019515455 A 20170918; US 201716334559 A 20170918