

Title (en)

SPOUT STOPPER AND PACKAGING CONTAINER PROVIDED WITH SPOUT STOPPER

Title (de)

STOPFEN FÜR AUSGIESSTÜLLE UND VERPACKUNGSBEHÄLTER DAMIT

Title (fr)

BOUCHON DE BEC VERSEUR ET RÉCIPIENT DE CONDITIONNEMENT POURVU D'UN BOUCHON DE BEC VERSEUR

Publication

EP 3666678 A4 20200819 (EN)

Application

EP 18842930 A 20180810

Priority

- JP 2017155976 A 20170810
- JP 2018140154 A 20180726
- JP 2018146726 A 20180803
- JP 2018148819 A 20180807
- JP 2018030110 W 20180810

Abstract (en)

[origin: EP3666678A1] There is provided a spout assembly capable of ensuring good sealing properties with a structure in which the spout has no closure plate and to provide a packaging container having the spout assembly. The spout assembly includes a spout and a cap. The cap includes an inner ring having an outer peripheral surface that is provided with a first region having a first outer diameter and a second region having a second outer diameter. The spout includes a side wall having an inner peripheral surface that is provided with a first region having a first inner diameter and a second region having a second inner diameter. In a state in which the cap is threadably engaged with the spout, the first region of the inner ring is in close contact with the first region of the side wall of the spout throughout the circumference, and the second region of the inner ring is in close contact with the second region of the side wall of the spout throughout the circumference. There is a space between an area where the first region of the inner ring is in close contact with the first region of the side wall of the spout and an area where the second region of the inner ring is in close contact with the second region of the side wall of the spout.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

- [A] WO 2016017178 A1 20160204 - TOPPAN PRINTING CO LTD [JP]
- [A] GB 2264108 A 19930818 - BEESON & SONS LTD [GB]
- [A] US 5275287 A 19940104 - THOMPSON NIGEL [GB]
- [A] FR 2327930 A1 19770513 - ALCA SA [FR]
- [A] JP 2017114546 A 20170629 - DAINIPPON PRINTING CO LTD
- See references of WO 2019031608A1

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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DOCDB simple family (application)

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