

Title (en)  
SPOUT FOR A PACKAGE, LID-SPOUT ASSEMBLY FOR A PACKAGE AND PACKAGE HAVING A SPOUT

Title (de)  
AUSGUSS FÜR EINE VERPACKUNG, DECKEL/AUSGUSS-ANORDNUNG FÜR EINE VERPACKUNG UND VERPACKUNG MIT EINEM AUSGUSS

Title (fr)  
BEC VERSEUR POUR UN EMBALLAGE, ENSEMBLE COUVERCLE-BEC VERSEUR POUR UN EMBALLAGE ET EMBALLAGE DOTÉ D'UN BEC VERSEUR

Publication  
**EP 3892563 A1 20211013 (EN)**

Application  
**EP 21166550 A 20210401**

Priority  
EP 20168897 A 20200409

Abstract (en)  
There is described a spout (4, 4', 4'', 4''', 4''') comprising at least a collar (10) carrying a pouring outlet (12) and an inlet opening (11) for the pourable product and delimiting a flow channel (16). The collar (10) comprises an inner surface (17) delimiting the flow channel (16). The inner surface (17) comprises at least a main surface portion (25) and a slanted surface portion (24). The main surface portion (25) and the slanted surface portion (24) are designed such that a first intersection of a first intersection plane (I) with the inner surface (17) results in obtaining at least one first one-dimensional curve (F), a second intersection of a second intersection plane (I') with the inner surface (17) results in obtaining at least one second one-dimensional curve (F'). The first one-dimensional curve (F) and the second one dimensional curve (F') each comprises a respective first portion (F1) and a respective second portion (F2) lying on respectively the slanted surface portion (24) and the main surface portion (25). The first one-dimensional curve (F) is superimposable on the second one-dimensional curve (F') such that at least the respective first portions (F1) and the respective second portions (F2) are superposed.

IPC 8 full level  
**B65D 5/74** (2006.01); **B65D 47/08** (2006.01); **B65D 47/10** (2006.01); **B65D 51/22** (2006.01)

CPC (source: EP US)  
**B65D 5/746** (2013.01 - EP); **B65D 47/0876** (2013.01 - EP); **B65D 47/103** (2013.01 - EP); **B65D 47/106** (2013.01 - EP); **B65D 47/122** (2013.01 - US); **B65D 51/228** (2013.01 - EP); **B65D 5/746** (2013.01 - US); **B65D 47/103** (2013.01 - US); **B65D 2251/0025** (2013.01 - EP US); **B65D 2251/0093** (2013.01 - EP US)

Citation (search report)

- [X1] EP 2368807 A1 20110928 - PROCAP FRANCE SAS [FR]
- [X1] DE 202005004853 U1 20050525 - SEAQUIST LOEFFLER KUNSTSTOFFWERK GMBH [DE]
- [X1] EP 2361743 A1 20110831 - TETRA LAVAL HOLDINGS & FINANCE [CH]
- [X1] JP 2014065543 A 20140417 - TOPPAN PRINTING CO LTD

Cited by  
US2023137895A1

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DOCDB simple family (application)  
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