

Title (en)  
SEALING DISC FOR PACKAGING CONTAINER WITH CONTROLLED INTERNAL PRESSURE AND METHODS FOR PRODUCING AND FILLING SUCH CONTAINER

Title (de)  
DICHTUNGSSSCHEIBE FÜR VERPACKUNGSBEHÄLTER MIT KONTROLLIERBAREM INNENDRUCK UND VERFAHREN ZUR HERSTELLUNG UND BEFÜLLUNG SOLCH EINES BEHÄLTERS

Title (fr)  
DISQUE D'ÉTANCHÉITÉ POUR RÉCIPIENT D'EMBALLAGE À PRESSION INTÉRIEURE CONTRÔLÉE ET PROCÉDÉS DE FABRICATION ET DE REMPLISSAGE D'UN TEL RÉCIPIENT

Publication  
**EP 3481733 A4 20191211 (EN)**

Application  
**EP 17824632 A 20170704**

Priority

- SE 1650995 A 20160706
- SE 2017050746 W 20170704

Abstract (en)  
[origin: WO2018009130A1] The present disclosure relates to a paperboard sealing disc (10) for use in a paperboard packaging container (1 ) for bulk solids. The packaging container (1) comprises a container body (2) with an upper end (4) with an upper body opening (5') and a bottom end (6) with a bottom body opening (5''), a container wall (3) extending between the upper end (4) and the bottom end (6) in a longitudinal direction (L). The container wall (3) has an inner surface (7) facing towards an inner compartment (9) in the packaging container (1 ) and an outer surface (8) facing away from the inner compartment (9). The sealing disc (10) is intended for sealing the upper body opening (5') or the bottom body opening (5''). The sealing disc (10) comprises a sealing disc border (11) surrounding a sealing disc base portion (12), wherein the border (11) is delimited from the disc base portion (12) by a sealing disc inner folding edge (31). The sealing disc border (11) is intended to be flexed at the inner folding edge (31) to project out of a main plane of the sealing disc (10) and to be aligned with and sealed to the inner surface (7) of the container wall (3). The sealing disc (10) comprises one or more distance element(s) (14) arranged in the sealing disc border (11) and facing the inner surface (7) of the container wall (3), the distance element(s) (14) having a height (H), as measured from the surface of the sealing disc border (11).

IPC 8 full level  
**B65D 3/12** (2006.01); **B31B 50/81** (2017.01); **B31D 1/00** (2017.01); **B65B 1/02** (2006.01); **B65B 7/28** (2006.01); **B65D 5/14** (2006.01); **B65D 39/04** (2006.01); **B65D 43/16** (2006.01); **B65D 51/16** (2006.01); **B65D 51/20** (2006.01); **B31B 120/10** (2017.01)

CPC (source: EP SE)  
**B31B 50/81** (2017.07 - SE); **B31B 50/814** (2017.07 - SE); **B31D 1/0018** (2013.01 - EP); **B65B 1/02** (2013.01 - SE); **B65B 7/2842** (2013.01 - EP); **B65B 7/2878** (2013.01 - SE); **B65D 3/12** (2013.01 - EP SE); **B65D 5/14** (2013.01 - SE); **B65D 39/04** (2013.01 - SE); **B65D 43/163** (2013.01 - EP); **B65D 43/164** (2013.01 - EP); **B65D 51/1688** (2013.01 - SE); **B65D 51/1694** (2013.01 - SE); **B65D 51/20** (2013.01 - EP); **B31B 2105/00** (2017.07 - SE); **B31B 2120/10** (2017.07 - SE); **B65B 1/02** (2013.01 - EP); **B65D 2205/00** (2013.01 - SE); **B65D 2251/0018** (2013.01 - EP); **B65D 2251/0021** (2013.01 - EP); **B65D 2251/0093** (2013.01 - EP SE); **B65D 2251/1016** (2013.01 - EP)

Citation (search report)

- [A] CN 204846762 U 20151209
- [A] US 2819006 A 19580107 - MAGILL DONALD G, et al
- [A] US 4261502 A 19810414 - OHMORI KOICHIRO
- [A] US 5788112 A 19980804 - BACON JOHN ELLIS [US], et al
- See references of WO 2018009130A1

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

DOCDB simple family (publication)  
**WO 2018009130 A1 20180111**; CN 109476397 A 20190315; CN 109476397 B 20201113; EP 3481733 A1 20190515; EP 3481733 A4 20191211; EP 3481733 B1 20210127; ES 2870076 T3 20211026; PL 3481733 T3 20210823; SE 1650995 A1 20180107; SE 542047 C2 20200218

DOCDB simple family (application)  
**SE 2017050746 W 20170704**; CN 201780039261 A 20170704; EP 17824632 A 20170704; ES 17824632 T 20170704; PL 17824632 T 20170704; SE 1650995 A 20160706