

Title (en)

VALVE BAG AND METHOD AND SYSTEM FOR PRODUCING A VALVE BAG

Title (de)

VENTILSACK SOWIE VERFAHREN UND SYSTEM ZUR HERSTELLUNG EINES VENTILSACKS

Title (fr)

SAC À VALVE AINSI QUE PROCÉDÉ ET SYSTÈME DE FABRICATION D'UN SAC À VALVE

Publication

**EP 3519312 B1 20201111 (DE)**

Application

**EP 17777023 A 20170927**

Priority

- DE 102016218626 A 20160927
- DE 102016220428 A 20161018
- EP 2017074538 W 20170927

Abstract (en)

[origin: WO2018060275A1] The invention relates to a valve bag, in particular a cross-bottom valve bag, comprising a first wall and a second wall, which are joined to each other by means of side edges or side folds and by means of bottoms and which bound a bag interior, comprising a valve, which is arranged in one of the bottoms and via which the bag interior can be filled with a filling material, and comprising venting openings in the first and/or in the second wall for venting the bag interior. At least one channel is provided on the outside of at least one wall, which channel covers the venting openings and is formed at least by two parallel fastening strips and by a cover strip, the cover strip likewise comprising venting openings. The shortest path between the parallel fastening strips along the cover strip is longer than the shortest path along the at least one wall, or the cover strip and/or the parallel fastening strips consist of stretchable material.

IPC 8 full level

**B31B 70/14** (2017.01); **B31B 70/26** (2017.01); **B31B 70/62** (2017.01); **B31B 70/85** (2017.01); **B65B 1/18** (2006.01); **B65B 1/22** (2006.01); **B65B 1/28** (2006.01); **B65B 43/46** (2006.01); **B65B 51/14** (2006.01); **B65B 51/30** (2006.01); **B65D 30/18** (2006.01); **B65D 30/24** (2006.01); **B65D 33/01** (2006.01); **B31B 150/00** (2017.01); **B31B 160/20** (2017.01); **B31B 170/20** (2017.01)

CPC (source: EP US)

**B31B 70/146** (2017.07 - EP US); **B31B 70/262** (2017.07 - EP US); **B31B 70/62** (2017.07 - EP); **B31B 70/85** (2017.07 - EP US); **B65B 1/22** (2013.01 - EP); **B65B 1/28** (2013.01 - EP); **B65B 43/465** (2013.01 - EP); **B65B 51/146** (2013.01 - EP); **B65B 51/303** (2013.01 - EP); **B65D 31/08** (2013.01 - EP US); **B65D 31/142** (2013.01 - EP US); **B65D 33/01** (2013.01 - EP US); **B31B 2150/001** (2017.07 - EP US); **B31B 2160/20** (2017.07 - EP US); **B31B 2170/20** (2017.07 - EP US); **B65B 1/18** (2013.01 - EP)

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)

**DE 102016220428 A1 20180329**; BR 112019006122 A2 20190618; BR 112019006122 B1 20221116; CN 109996737 A 20190709; CN 109996737 B 20211112; DK 3519312 T3 20210208; EP 3519312 A1 20190807; EP 3519312 B1 20201111; ES 2837756 T3 20210701; HR P20202057 T1 20210305; HU E052065 T2 20210428; HU E052065 T4 20210830; PL 3519312 T3 20210517; PT 3519312 T 20201228; US 11401076 B2 20220802; US 2020122893 A1 20200423; WO 2018060275 A1 20180405

DOCDB simple family (application)

**DE 102016220428 A 20161018**; BR 112019006122 A 20170927; CN 201780073193 A 20170927; DK 17777023 T 20170927; EP 17777023 A 20170927; EP 2017074538 W 20170927; ES 17777023 T 20170927; HR P20202057 T 20201222; HU E17777023 A 20170927; PL 17777023 T 20170927; PT 17777023 T 20170927; US 201716336775 A 20170927