Title (en)
   CONTAINER WITH CORRUGATED SIDE WALL

Title (de)
   BEHÄLTER MIT RILLEN

Title (fr)
   RÉCIPIENT RAINURÉ

Publication
   EP 3583039 B1 20210407 (DE)

Application
   EP 18701777 A 20180202

Priority
   • EP 17156091 A 20170214
   • EP 2018052615 W 20180202

Abstract (en)
   [origin: WO2018149661A1] A container (1) has a side wall (2), which is made of plastics material and encloses a container volume. The side wall (2) contains vertically spaced-apart, horizontally oriented corrugations (7, 8), comprising first corrugations (7) for strengthening the side wall (2), said first corrugations having a first corrugation depth (t1) and being designed such that a protrusion (11), which projects into the enclosed container volume, is formed in the inner surface (5) of the side wall (2). Second corrugations (8) have a second corrugation depth (t2), which is smaller than the first corrugation depth (t1). The first and second corrugations (7, 8) are arranged such that in each case at least one second corrugation (8) is arranged vertically between two first corrugations (7). The sub-volumes defined by two horizontal planes (9, 10), which are defined by two adjacent corrugations (7, 8) and are enclosed by the side wall (2), are identical in each case.

IPC 8 full level
   B65D 1/02 (2006.01); **B65D 1/44** (2006.01)

CPC (source: EP RU US)
   B65D 1/0207 (2013.01 - US); **B65D 1/0223** (2013.01 - EP RU US); **B65D 1/44** (2013.01 - EP RU US); B65D 2203/04 (2013.01 - EP US); B65D 2501/0036 (2013.01 - EP US)

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 2018149661 A1 20180823; AR 111038 A1 20190529; AU 2018222221 A1 20190905; AU 2018222221 B2 20240201; BR 112019016796 A2 20200407; BR 112019016796 B1 20230418; CA 3052342 A1 20180823; CN 110291016 A 20190927; CN 110291016 B 20210629; DK 3583039 T3 20210628; EP 3583039 A1 20191225; EP 3583039 B1 20210407; ES 2874786 T3 20211105; JP 2020507524 A 20200312; MX 2019009732 A 20191022; PL 3583039 T3 20211011; RU 2724564 C1 20200623; UA 126914 C2 20230222; US 11623781 B2 20230411; US 2020071016 A1 20200305; ZA 201905887 B 20220831

DOCDB simple family (application)
   EP 2018052615 W 20180202; AR P180100336 A 20180209; AU 2018222221 A 20180202; BR 112019016796 A 20180202; CA 3052342 A 20180202; CN 201880011642 A 20180202; DK 18701777 T 20180202; EP 18701777 A 20180202; ES 18701777 T 20180202; JP 2019543330 A 20180202; MX 2019009732 A 20180202; PL 18701777 T 20180202; RU 2019128129 A 20180202; UA A201909720 A 20180202; US 201816485206 A 20180202; ZA 201905887 A 20190906