

Title (en)

HEAVY LOAD CARRIER HAVING A SWIVEL FLAP

Title (de)

GROSSLADUNGSTRAEGER MIT SCHWENKKLAPPE

Title (fr)

CAISSE-PALETTE GRAND VOLUME MUNIE D'UN CLAPET PIVOTANT

Publication

**EP 3638596 A1 20200422 (DE)**

Application

**EP 18718805 A 20180418**

Priority

- DE 102017113053 A 20170614
- EP 2018059897 W 20180418

Abstract (en)

[origin: WO2018228742A1] The invention relates to a heavy load carrier having preferably arranged side walls (2, 4, 6, 8), wherein at least one of the side walls (2) has a flap (12) which, in the closed position, closes a flap opening (26) in the side wall and, by pivoting, can be transferred to an open position, in which the flap (12) is folded onto the side wall (2) from outside. The flap (12) is articulately connected to the side wall (2) by means of coupling elements (18), wherein the coupling elements (18) are articulately connected on the one hand to the side wall by means of side-wall joints and on the other hand to the flap by means of flap joints, and wherein at least one forcible guide (28, 34, 42) for the flap (12) is provided which, as the flap (12) is pivoted, simultaneously effects a translational flap movement in the plane of the flap, in such a way that, during the closing of the flap opening (26), the flap (12) is moved outward in the direction of the upper edge of the side wall (2).

IPC 8 full level

**B65D 19/18** (2006.01)

CPC (source: EP US)

**B65D 19/18** (2013.01 - EP US); **B65D 25/005** (2013.01 - EP US); **B65D 2519/00034** (2013.01 - EP US); **B65D 2519/00069** (2013.01 - EP US); **B65D 2519/00174** (2013.01 - EP US); **B65D 2519/00288** (2013.01 - US); **B65D 2519/00333** (2013.01 - EP); **B65D 2519/00338** (2013.01 - US); **B65D 2519/00422** (2013.01 - US); **B65D 2519/00587** (2013.01 - EP); **B65D 2519/00646** (2013.01 - EP); **B65D 2519/00805** (2013.01 - EP); **B65D 2519/009** (2013.01 - EP)

Citation (search report)

See references of WO 2018228742A1

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

DOCDB simple family (publication)

**WO 2018228742 A1 20181220**; CN 110770135 A 20200207; CN 110770135 B 20210921; DE 102017113053 A1 20181220; DE 102017113053 B4 20230105; EP 3638596 A1 20200422; EP 3638596 B1 20211103; EP 3971100 A1 20220323; ES 2906094 T3 20220413; US 11453527 B2 20220927; US 2020122885 A1 20200423

DOCDB simple family (application)

**EP 2018059897 W 20180418**; CN 201880039870 A 20180418; DE 102017113053 A 20170614; EP 18718805 A 20180418; EP 21205979 A 20180418; ES 18718805 T 20180418; US 201816622134 A 20180418