

Title (en)
PALLET CONTAINER

Title (de)
PALETTENCONTAINER

Title (fr)
CONTENEUR SUR PALETTE

Publication
EP 4045430 A1 20220824 (DE)

Application
EP 20803440 A 20201016

Priority
• DE 202019004316 U 20191018
• DE 202019004962 U 20191205
• EP 2020000179 W 20201016

Abstract (en)
[origin: WO2021073767A1] The present invention relates to a pallet container (10) for storing and transporting liquid or free-flowing filling materials, having a thin-walled, rigid inner plastic container (12) made of thermoplastic, having a tubular lattice frame (14), which tightly encloses the inner plastic container (12) as a supporting jacket and which is made of welded-together horizontal and vertical tubular rods (18, 20), and having a base pallet (16) on which the inner plastic container (12) rests and to which the tubular lattice frame (14) is firmly connected, wherein at least two rod-shaped crossbeams (22) are provided above the inner plastic container (12), the two ends of which are fastened to two opposing lateral walls in the upper region of the tubular lattice frame (14). In order to protect the upper region of the tubular lattice frame (14) against adverse effects of impact stresses and transport vibrations, according to the invention, the crossbeams (22) are designed as resilient spring elements (24).

IPC 8 full level
B65D 77/04 (2006.01)

CPC (source: CN EP IL KR US)
B65D 19/10 (2013.01 - KR US); **B65D 19/18** (2013.01 - US); **B65D 19/385** (2013.01 - US); **B65D 19/44** (2013.01 - KR);
B65D 77/0466 (2013.01 - CN EP IL KR US); **B65D 2519/00009** (2013.01 - US); **B65D 2519/00164** (2013.01 - KR US);
B65D 2519/00512 (2013.01 - KR US); **B65D 2519/00532** (2013.01 - US); **B65D 2519/00547** (2013.01 - 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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2021073767 A1 20210422; AU 2020365203 A1 20220602; AU 2020367194 A1 20220602; BR 112022006277 A2 20220628;
BR 112022006301 A2 20220628; CA 3153751 A1 20210422; CA 3153773 A1 20210422; CN 114514183 A 20220517;
CN 114514184 A 20220517; CN 114514184 B 20240614; EP 4045429 A1 20220824; EP 4045429 B1 20230607; EP 4045430 A1 20220824;
EP 4045430 B1 20230621; EP 4045430 B8 20230920; ES 2955336 T3 20231130; ES 2956513 T3 20231222; IL 292154 A 20220601;
IL 292241 A 20220601; JP 2022552842 A 20221220; JP 2022553001 A 20221221; KR 20220084143 A 20220621; KR 20220084360 A 20220621;
MX 2022004447 A 20220502; MX 2022004448 A 20220503; PL 4045429 T3 20231106; PL 4045430 T3 20231127; US 2024140674 A1 20240502;
US 2024140675 A1 20240502; WO 2021073766 A1 20210422

DOCDB simple family (application)
EP 2020000179 W 20201016; AU 2020365203 A 20201016; AU 2020367194 A 20201016; BR 112022006277 A 20201016;
BR 112022006301 A 20201016; CA 3153751 A 20201016; CA 3153773 A 20201016; CN 202080072003 A 20201016;
CN 202080072042 A 20201016; EP 2020000178 W 20201016; EP 20803439 A 20201016; EP 20803440 A 20201016; ES 20803439 T 20201016;
ES 20803440 T 20201016; IL 29215422 A 20220411; IL 29224122 A 20220413; JP 2022522898 A 20201016; JP 2022522899 A 20201016;
KR 20227016573 A 20201016; KR 20227016574 A 20201016; MX 2022004447 A 20201016; MX 2022004448 A 20201016;
PL 20803439 T 20201016; PL 20803440 T 20201016; US 202017768739 A 20201016; US 202017769538 A 20201016