

Title (en)  
PALLET CONTAINER

Title (de)  
PALETTENCONTAINER

Title (fr)  
CONTENEUR A PALETTES

Publication  
**EP 1328447 B1 20041103 (DE)**

Application  
**EP 01969612 A 20010818**

Priority  
• DE 20018362 U 20001026  
• EP 0109542 W 20010818  
• US 25254700 P 20001122

Abstract (en)  
[origin: WO0234642A1] The invention relates to a pallet container (10) comprising a thin-walled inner container (12), preferably consisting of a thermoplastic plastic, for storing and transporting liquid or free-flowing filling materials, a tubular framework of metal bars, which closely surrounds the plastic container (12) and acts as a support shell (14) and a base pallet (16), on which the plastic container (12) rests and to which the support shell (14) is connected in a fixed manner. In order to receive official certification, the pallet container (10) must undergo various certification tests, such as a compression pressure test, interior pressure test or a drop test. During the drop test, the vertical lattice bars (20) are often wrenched out of or shear away from their anchorage on the base pallet (16). According to the invention, to prevent such detrimental effects, the tubular bars (18, 20) of the support shell (14) are provided with specific features in the event of the container falling, said features allowing a plastic deformation of the support shell (14) at specific predeterminable points, whilst preventing the individual tubular bars (20) from shearing or being wrenched out of their anchorage. According to one embodiment of the invention, the features allowing the plastic deformation of the support shell take the form of a flexure point coupled with a reduced cross-section of the bars.

IPC 1-7  
**B65D 77/06**

IPC 8 full level  
**B65D 77/04** (2006.01); **B65D 19/10** (2006.01); **B65D 77/06** (2006.01); **B65D 88/20** (2006.01); **B65D 90/02** (2006.01)

CPC (source: EP KR US)  
**B65D 77/0466** (2013.01 - EP US); **B65D 77/06** (2013.01 - KR); **B65D 77/061** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 0234642 A1 20020502**; AT E281371 T1 20041115; AU 2001289816 B2 20051020; AU 8981601 A 20020506; BR 0114961 A 20040106; BR 0114961 B1 20120918; CA 2426999 A1 20020502; CA 2426999 C 20090414; CN 1225384 C 20051102; CN 1487897 A 20040407; CZ 20031391 A3 20040616; CZ 296285 B6 20060215; DE 10194672 D2 20031002; DE 20121462 U1 20020919; DE 50104431 D1 20041209; DK 1328447 T3 20050131; EP 1328447 A1 20030723; EP 1328447 B1 20041103; ES 2230363 T3 20050501; HU P0301912 A2 20030929; HU P0301912 A3 20040528; IL 155579 A0 20031123; IL 155579 A 20070724; JP 2004512238 A 20040422; JP 4898077 B2 20120314; KR 100776772 B1 20071116; KR 20030070018 A 20030827; MX PA03003673 A 20040504; NO 20031889 D0 20030428; NO 20031889 L 20030428; NO 325111 B1 20080204; US 2002112980 A1 20020822; US 6857532 B2 20050222; ZA 200303594 B 20040423

DOCDB simple family (application)  
**EP 0109542 W 20010818**; AT 01969612 T 20010818; AU 2001289816 A 20010818; AU 8981601 A 20010818; BR 0114961 A 20010818; CA 2426999 A 20010818; CN 01821363 A 20010818; CZ 20031391 A 20010818; DE 10194672 T 20010818; DE 20121462 U 20010818; DE 50104431 T 20010818; DK 01969612 T 20010818; EP 01969612 A 20010818; ES 01969612 T 20010818; HU P0301912 A 20010818; IL 15557901 A 20010818; IL 15557903 A 20030424; JP 2002537645 A 20010818; KR 20037005820 A 20030425; MX PA03003673 A 20010818; NO 20031889 A 20030428; US 11459402 A 20020402; ZA 200303594 A 20030509