

Title (en)  
IMPACT-RESISTING PALLET HAVING METAL STAY

Title (de)  
SCHLAGZÄHE PALETTE MIT METALLSTREBE

Title (fr)  
PALETTE RESISTANT AUX CHOCS POURVUE D'UNE ENTRETOISE METALLIQUE

Publication  
**EP 1853488 A2 20071114 (EN)**

Application  
**EP 06735503 A 20060221**

Priority  
• US 2006005873 W 20060221  
• US 65476605 P 20050218

Abstract (en)  
[origin: WO2006089241A2] The top of a thermoplastic pallet has a rectangular frame (224) to which the pallet deck (122) is directly or indirectly attached. The edge of the deck is spaced apart from the outer edge of the frame. The frame comprises bridge parts (125) which span the openings between columns (132), into which forks may be inserted for lifting of the pallet. The plastic bridges (125) are designed for absorbing horizontal impact loads. Each bridge has several lengthwise impact absorber zones (126) of differing cell configuration and thus differing compliance to horizontal impact loads. A metal stay (155A, 155B) runs along the outer edge of each bridge, for distributing impact forces, and for improving the resistance of the pallet top to impact loads. A stay may be anchored by its ends at the opposing ends of a bridge, and along its length by engagement of perforations in the stay with plastic features distributed along the length of the edge of the bridge.

IPC 8 full level  
**B65D 19/38** (2006.01)

CPC (source: EP)  
**B65D 19/0059** (2013.01); **B65D 19/0095** (2013.01); **B65D 2519/00024** (2013.01); **B65D 2519/00029** (2013.01); **B65D 2519/00034** (2013.01); **B65D 2519/00064** (2013.01); **B65D 2519/00069** (2013.01); **B65D 2519/00099** (2013.01); **B65D 2519/00104** (2013.01); **B65D 2519/00129** (2013.01); **B65D 2519/00288** (2013.01); **B65D 2519/00293** (2013.01); **B65D 2519/00298** (2013.01); **B65D 2519/00303** (2013.01); **B65D 2519/00323** (2013.01); **B65D 2519/00333** (2013.01); **B65D 2519/00373** (2013.01); **B65D 2519/00388** (2013.01); **B65D 2519/00417** (2013.01); **B65D 2519/00437** (2013.01); **B65D 2519/00442** (2013.01); **B65D 2519/00447** (2013.01); **B65D 2519/00557** (2013.01); **B65D 2519/00562** (2013.01); **B65D 2519/00567** (2013.01); **B65D 2519/00572** (2013.01); **B65D 2519/0099** (2013.01)

Citation (search report)  
See references of WO 2006089241A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**WO 2006089241 A2 20060824; WO 2006089241 A3 20071108**; CA 2599764 A1 20060824; EP 1853488 A2 20071114

DOCDB simple family (application)  
**US 2006005873 W 20060221**; CA 2599764 A 20060221; EP 06735503 A 20060221