

Title (en)  
PALETTE CONTAINER

Title (de)  
PALETTENCONTAINER

Title (fr)  
CONTENEUR A PALETTES

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Abstract (en)  
[origin: WO0189955A1] The invention relates to a pallet container (10), comprising a thermoplastic, thin-walled, rigid inner container (12) for storing and transporting liquid or flowable goods; a tube lattice frame (14) which tightly surrounds said plastic container (12), serving as a support casing; and a base pallet (16) on which the plastic container (12) rests and to which the support casing is permanently connected. Said tube lattice frame (14) consists of vertical and horizontal tubular bars (30, 32) which are welded together at the points where they intersect (36). Known pallet containers present a considerable lack of resistance (fatigue fractures in the tubular bars) when subjected to prolonged dynamic vibration stress, as they are e.g., during sustained periods of transportation stress on poor roads. The aim of the invention is to improve the stability of the lattice frame while ensuring adequate flexural strength and an appropriately adapted optimal vibration elasticity. The invention provides that the vertical and/or horizontal tubular bars (30, 32) are free of spheroidization in the plane where they meet, in the area of a point of intersection, and that they have at least one spheroid adjacent to a point of intersection or a welding point, a lateral distance away from the same, respectively.

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