

Title (en)
CORRUGATED PALLET WITH IMPROVED TOP-TO-BOTTOM LOCKING

Title (de)
WELLPAPPEPALETTE MIT VERBESSERTER VON-OBEN-NACH-UNTEN-VERRIEGELUNG

Title (fr)
PALETTE ONDULÉE À VERROUILLAGE DE HAUT EN BAS AMÉLIORÉ

Publication
EP 4093679 A1 20221130 (EN)

Application
EP 21757445 A 20210217

Priority

- US 202062980179 P 20200222
- US 202063013657 P 20200422
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- US 2021018411 W 20210217

Abstract (en)
[origin: WO2021168005A1] A corrugated pallet folded together from two planar blanks, including a pallet top that supports a load above a floor, and a pallet bottom that rests on the floor. Each pallet top and pallet bottom has multiple double thickness interior support ribs folded vertically from the plane of the pallet top and bottom. Ribs from the pallet top intersect with ribs from the pallet bottom perpendicularly and support the pallet top on the pallet bottom. Multiple mechanical vertical locks hold the pallet top in vertically spaced relation with the pallet bottom with middle straps folded vertically from the pallet top and/or pallet bottom into contact with interior surfaces of the pallet and lock directly into sides of the interior support ribs at positions intermediate the pallet top and bottom. Reinforcement tubes are provided over intersections of double thickness ribs at the corners of the pallet while folded doubled thickness ribs provide compression support near the center.

IPC 8 full level
B65D 19/00 (2006.01)

CPC (source: EP)
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Citation (search report)
See references of WO 2021168005A1

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