

Title (en)

Palletized loads wrapped with stretchable film, process and apparatus for making them.

Title (de)

Mit Dehnfolie umwickelte Palettenladung sowie Verfahren und Vorrichtung für ihre Herstellung.

Title (fr)

Charge palettisée enveloppée avec un film étirable, procédé et dispositif pour sa fabrication.

Publication

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Application

EP 90201933 A 19900717

Priority

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Abstract (en)

Disclosed are palletized loads (2) formed by a plurality of packages (21) and wrapped in stretchable film (1) as well as a related process and apparatus to produce such palletized loads (2). The stretchable film (1) has strengthened sections (111, 112, 113, 211, 212) generated by folded or rolled edges (11, 12) or folded central parts and, where said film (1) connects the load (2) to the pallet (3), it has a roped lower edge (115).
<IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

B65B 11/025 (2013.01); **B65B 11/045** (2013.01)

Citation (search report)

- [A] EP 0300855 A1 19890125 - NEWTEC INT [FR]
- [AD] US 4807427 A 19890228 - CASTEEL LARRY L [US], et al

Cited by

WO2015079306A1; US2016159503A1; GB2297534A; ITVR20130257A1; US6070393A; EP0676332A1; FR2718414A1; US5634321A; EP3070003A1; IT202000018874A1; IT202000001984A1; CN115038645A; EP2216251A1; AU2004209517B2; AU2010203127B2; WO2008114076A1; WO2004069659A1; US10384817B2; US11479378B2; US7707801B2; US8141327B2; US9187193B2; US10005581B2; US11111046B2; US11174056B2; US9290282B2; US9908648B2; US10173795B2; US7568327B2; US11472580B2; WO2022024020A1; WO9907618A1; WO2021152522A1; US9776748B2; US10239645B2; US10717554B2; US11407538B2; US11518558B2; US11912445B2; US10227152B2; US11597554B2; US11667416B2; US11685567B2; US7779607B2; US8037660B2; US8276346B2; US8276354B2; US9725195B2; US9932137B2; US11208225B2; US6170772B1; US6170776B1; US10005580B2; US10053253B2; US10435191B2; US10926906B2; US10934034B2; US11034470B2; US11104464B2; US11111045B2; US11505343B2; US11518557B2; US11731793B2; EP4097012B1

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