

Title (en)

Separating elements for yarn spools stacked on a pallet

Title (de)

Trennteile für palettierte Garnspulen

Title (fr)

Éléments séparateurs de bobines de fils textiles empilées sur une palette

Publication

EP 0838407 A1 19980429 (EN)

Application

EP 97106585 A 19970421

Priority

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Abstract (en)

The invention concerns a tray (1) of a plastic material for separating yarn spools disposed in layers on a pallet. The tray (10) is formed by a plurality of modular members (10) connected to each other, each member comprising a base (11) from which protrudes a series of elements (12, 13, 14) for the engagement with at least one spool (20) of yarn, said members (10) being integrally formed with said base (11), and being laterally provided with means (6) for the coupling with adjacent modular members (10). <IMAGE>

IPC 1-7

B65D 71/00; **B65D 21/02**; **B65D 67/02**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XY] EP 0306074 A1 19890308 - PROCTER & GAMBLE [US]
- [Y] DE 3026609 A1 19820204 - WILHELM BOTT GMBH & CO KG [DE]
- [A] DE 19529316 A1 19970213 - ZINSER TEXTILMASCHINEN GMBH [DE]
- [Y] US 4482051 A 19841113 - CANTEY JR BRYANT W [US]
- [Y] US 5390789 A 19950221 - DARBY ROBERT J [US]
- [A] DE 7333167 U 19731206
- [A] FR 1593225 A 19700525

Cited by

EP1013563A1; WO0154993A1; WO2024047331A1

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