

Title (en)

Tray transfer system and tray storage apparatus

Title (de)

Anordnung zur Überführung und Vorrichtung zur Lagerung von Caddy's

Title (fr)

Système de transfert et dispositif de stockage de palettes

Publication

**EP 0866016 A3 20000405 (EN)**

Application

**EP 98104818 A 19980317**

Priority

- JP 6794697 A 19970321
- JP 6794797 A 19970321

Abstract (en)

[origin: EP0866016A2] To store unwanted empty trays that may occur on a transfer path, as required to facilitate lot changes and to enable the number of trays to be adjusted optimally depending on the yarn count number or the winding speed. In a tray transfer system that supplies bobbins to an automatic winder composed of a plurality of winding units installed in parallel, a tray storage apparatus 15 for stacking a plurality of empty trays for storage is located in the middle of an empty tray transfer path 19 in a bobbin processing section 12. When the lack of an installed bobbin in a bobbin installation apparatus 16 is detected, the tray storage apparatus 15 is activated to store all trays for a particular yarn type, these trays being transferred along the empty tray transfer path 19. <IMAGE>

IPC 1-7

**B65H 67/06**; **D01H 9/18**

IPC 8 full level

**B65H 67/06** (2006.01); **D01H 9/18** (2006.01)

CPC (source: EP)

**B65H 67/06** (2013.01); **D01H 9/187** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [Y] US 4913373 A 19900403 - UEDA YUTAKA [JP]
- [YX] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 08 29 September 1995 (1995-09-29)
- [Y] PATENT ABSTRACTS OF JAPAN vol. 012, no. 179 (M - 701) 26 May 1988 (1988-05-26)
- [PX] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 08 30 June 1998 (1998-06-30)

Cited by

CN107557925A; CN102328854A; US6098914A; EP0947459A3

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