

Title (en)

Automatic device for loading and unloading stacks of reels of yarn.

Title (de)

Automatische Einrichtung zum Auf- und Abladen von Garnspulenstapeln.

Title (fr)

Installation automatique pour le chargement et le déchargement de piles de bobines de fil.

Publication

**EP 0651084 A3 19970312 (EN)**

Application

**EP 94202678 A 19940916**

Priority

IT MI932045 A 19930924

Abstract (en)

[origin: EP0651084A2] An automatic device for loading and unloading stacks of reels of yarn comprises a centering mechanism (8, 10-13, 17, 18, 20, 21, 100) of a vertical reel-holding rod (3) on which the reels (4) are, or are about to be, stacked; the centering mechanism (8, 10-13, 17, 18, 20, 21, 100) comprises a vertical stem (13) on which a stack of reels to be moved is transferred so as to move it from a rod (3) to be unloaded to a rod (3) to be loaded, and a mechanism (24-29, 32, 35, 40) for removing and positioning the stack of reels that comprises an element (24) for removing the stack of reels (4) that is made to slide vertically to accomplish the removal or the positioning of the stack itself; the centering mechanism (8, 10-13, 17, 18, 20, 21, 100) comprises sensor means (18, 20, 21, 100) suitable for detecting the vertical alignment of the stem (13) with the reel-holding rod (3) and to operate the activation of the removal and positioning mechanism (24-29, 32, 35, 40); the removal element of the removal and positioning mechanism (24-29, 32, 35, 40) is constituted by a pair of jaws (24) suitable for grasping a reel (4) at the base of the stack. <IMAGE>

IPC 1-7

**D06B 23/04**; **D06B 5/16**

IPC 8 full level

**D06B 5/16** (2006.01); **D06B 23/04** (2006.01)

CPC (source: EP)

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Citation (search report)

[A] EP 0130092 A1 19850102 - BARRIQUAND SOC [FR]

Cited by

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