

Title (en)

Device for automatic lifting of bobbins on a roving frame for fibers and short fibers.

Title (de)

Vorrichtung zum automatischen Abnehmen von Spulen auf einer Vorspinnmaschine für Fasern und Kurzfasern und Verfahren zum Einsatz dieser Vorrichtung.

Title (fr)

Dispositif de levée automatique de bobines sur un banc à broches pour fibres longues et fibres courtes et procédé mettant en oeuvre ce dispositif.

Publication

EP 0470023 B1 19950830 (FR)

Application

EP 91440057 A 19910712

Priority

FR 9009875 A 19900730

Abstract (en)

[origin: EP0470023A1] The present invention relates to a device for the automatic lifting of bobbins on a roving frame for long fibres and short fibres and to a method for putting this device into practice. <??>The device is characterised in that it mainly consists, on the one hand, of a conveyor fork (1) movable in a vertical direction and in at least one horizontal direction (3) parallel to the transverse alignment of the spindles (4) of the spindle carriage (5), on the other hand of cups (6) for supporting and manipulating the full bobbins and empty bobbins, and finally of a conveyor for the removal of the full bobbins and for the supply of the empty bobbins. <IMAGE>

IPC 1-7

D01H 9/04

IPC 8 full level

D01H 9/02 (2006.01); **D01H 9/04** (2006.01)

CPC (source: EP US)

D01H 9/046 (2013.01 - EP US)

Cited by

DE4429099A1

Designated contracting state (EPC)

BE DE ES GB IT

DOCDB simple family (publication)

EP 0470023 A1 19920205; EP 0470023 B1 19950830; DE 470023 T1 19920924; DE 69112539 D1 19951005; DE 69112539 T2 19960404; ES 2030647 T1 19921116; ES 2030647 T3 19951216; FR 2665187 A1 19920131; FR 2665187 B1 19921120; JP H0726260 B2 19950322; JP H073543 A 19950106; US 5197272 A 19930330

DOCDB simple family (application)

EP 91440057 A 19910712; DE 69112539 T 19910712; DE 91440057 T 19910712; ES 91440057 T 19910712; FR 9009875 A 19900730; JP 18882091 A 19910729; US 73873991 A 19910730