

Title (en)

DEVICE FOR THE AUTOMATIC HANDLING OF BOBBIN CASES AND COMPLETELY WOUND BOBBINS IN SPINNING MACHINES.

Title (de)

VORRICHTUNG ZUM AUTOMATISCHEN HANDHABEN VON SPULENHÜLSEN UND FERTIGGEWICKELTEN SPULEN VON SPINNMASCHINEN.

Title (fr)

DISPOSITIF POUR LA MANUTENTION AUTOMATIQUE DE DOUILLES DE CANNETTES ET DE CANNETTES BOBINEES DE METIERS A TISSER.

Publication

EP 0503016 B1 19950503 (DE)

Application

EP 91915667 A 19910903

Priority

- DE 4031076 A 19901002
- EP 9101660 W 19910903

Abstract (en)

[origin: DE4031076A1] Reel handling equipment is partly automatic when removing yarn reels from winders. The equipment is based on one frame to enable interchange of full and empty reels, with the ability to move the full reel into a transport position. - The swivel mechanism (7) which is driven from the unit (16) can put the spindles (6,8) into the direction (X, Y or Z) within the framework (12). The ends of the spindles (6a, 8a) are capable of being positioned with exactitude. A torsion unit (11) is based on the frame (12) to give added flexibility.

IPC 1-7

B65H 67/04

IPC 8 full level

B65H 67/04 (2006.01); **B65H 67/06** (2006.01)

CPC (source: EP)

B65H 67/0405 (2013.01); **B65H 2701/31** (2013.01)

Cited by

CN114988217A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

WO 9206033 A1 19920416; AT E122021 T1 19950515; DE 4031076 A1 19920409; DE 59105394 D1 19950608; EP 0503016 A1 19920916; EP 0503016 B1 19950503; JP H05502653 A 19930513

DOCDB simple family (application)

EP 9101660 W 19910903; AT 91915667 T 19910903; DE 4031076 A 19901002; DE 59105394 T 19910903; EP 91915667 A 19910903; JP 51391591 A 19910903