

Title (en)

Method and apparatus for transporting full roving bobbins respectively empty roving cores

Title (de)

Verfahren und Vorrichtung zum Transportieren voller Vorgarnspulen bzw. leerer Vorgarnhülsen

Title (fr)

Procédé et appareil pour transporter des bobines pleines de ruban de fibres respectivement des tubes vides pour le ruban de fibres

Publication

EP 0855456 A3 19990630 (DE)

Application

EP 98100513 A 19980114

Priority

DE 19702163 A 19970122

Abstract (en)

[origin: JPH10331039A] PROBLEM TO BE SOLVED: To provide a method and apparatus for exchanging a full roving bobbin for an empty roving tube. SOLUTION: A full roving bobbin 10 and an empty roving tube 20 are placed in front of a substituting device 5 for simultaneously receiving and transferring them on the surface E1, received by the transferring and substituting device 5 and transferred to the surface E2 by the transferring and substituting device 5. The bobbin 10 and the tube 20 are delivered to a transferring device 4 in the hung state by the transferring and substituting device 5 on the surface. A device therefor is constituted so that the full roving bobbin 10 and the empty roving tube 20 may be transferred to the substituting device simultaneously work as the transferring device by the transferring device 3, may be transferred to the surface E2 in the standing state by the transferring and substituting device 5 when being stored and may be delivered to the transferring device 4 storing the full roving bobbin 10 and the empty roving tube 20 in a hanging state, in a standing state on the surface E2 by a transferring and substituting device 5.

IPC 1-7

D01H 9/18

IPC 8 full level

B65G 47/57 (2006.01); **B65H 67/06** (2006.01); **D01H 9/18** (2006.01)

CPC (source: EP US)

D01H 9/182 (2013.01 - EP US)

Citation (search report)

- [YA] EP 0306450 A1 19890308 - HOWA MACHINERY LTD [JP]
- [YA] DE 4208512 A1 19930923 - SCHURR STAHLECKER & GRILL [DE]
- [A] US 4583358 A 19860422 - KRIEGER EBERHARD [DE], et al
- [A] EP 0521279 A1 19930107 - PALITEX PROJECT CO GMBH [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 148 (C - 493) 7 May 1988 (1988-05-07)

Cited by

EP3470560A1; IT201700116280A1; EP3470561A1; IT201700116289A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19702163 A1 19980723; DE 59803954 D1 20020606; EP 0855456 A2 19980729; EP 0855456 A3 19990630; EP 0855456 B1 20020502; ES 2176820 T3 20021201; JP H10331039 A 19981215; US 5996327 A 19991207

DOCDB simple family (application)

DE 19702163 A 19970122; DE 59803954 T 19980114; EP 98100513 A 19980114; ES 98100513 T 19980114; JP 600598 A 19980114; US 1032798 A 19980121