

Title (en)

PROCESS AND DEVICE FOR EXCHANGING EMPTY BOBBINS FOR FULL BOBBINS IN A WINDING MACHINE FOR CONTINUOUSLY SUPPLIED THREADS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM WECHSELN VON VOLLSPULEN GEGEN LEERHÜLSEN AN EINER AUFWICKELMASCHINE FÜR EINEN KONTINUIERLICH ZULAUFENDEN FADEN

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT DE REMPLACER DES BOBINES PLEINES PAR DES BOBINES VIDES SUR UNE MACHINE ENROULEUSE DESTINEE A UN FIL ARRIVANT DE FACON CONTINUE

Publication

**EP 0757658 B1 19990512 (DE)**

Application

**EP 96903888 A 19960223**

Priority

- DE 9600285 W 19960223
- DE 19506468 A 19950224
- DE 19526904 A 19950722
- DE 19527920 A 19950729

Abstract (en)

[origin: US5779170A] PCT No. PCT/DE96/00285 Sec. 371 Date Feb. 11, 1997 Sec. 102(e) Date Feb. 11, 1997 PCT Filed Feb. 23, 1996 PCT Pub. No. WO96/26150 PCT Pub. Date Aug. 29, 1996A takeup machine for continuously advancing yarns (1) comprises a spindle revolver (5) mounting two winding spindles (6, 7), which alternate in winding packages (10). The packages are doffed by a servicing automat (doffer) in two positions of the spindle revolver (5) which is moved on step-by-step as the package increases in size on the operating spindle (6). The two positions for removing the full package or packages and for slipping an empty tube or tubes (8, 9) on the previously emptied idle spindle (7) may be located at any desired points within a doffing range (41), since the package mandrels of the servicing automat are caused to follow the idle spindle (7) by suitable sensors.

IPC 1-7

**B65H 67/04**; **B65H 67/048**

IPC 8 full level

**B65H 67/04** (2006.01); **B65H 67/048** (2006.01)

CPC (source: EP US)

**B65H 67/0405** (2013.01 - EP US); **B65H 67/048** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Cited by

EP1502890A3; DE10054369B4; US7097129B2

Designated contracting state (EPC)

BE CH DE FR IT LI NL

DOCDB simple family (publication)

**US 5779170 A 19980714**; DE 59601859 D1 19990617; EP 0757658 A1 19970212; EP 0757658 B1 19990512; WO 9626150 A1 19960829

DOCDB simple family (application)

**US 72753497 A 19970211**; DE 59601859 T 19960223; DE 9600285 W 19960223; EP 96903888 A 19960223