

Title (en)

Method for operating a workstation in a textilmachine for making cross wound bobbins

Title (de)

Verfahren zum Betreiben einer Arbeitsstelle einer Kreuzspulen herstellenden Textilmaschine

Title (fr)

Procédé de fonctionnement d'un poste de travail d'une machine textile pour la fabrication de bobines à spires croisées

Publication

**EP 1028080 A3 20001108 (DE)**

Application

**EP 00100170 A 20000111**

Priority

DE 19905860 A 19990212

Abstract (en)

[origin: EP1028080A2] To operate a bobbin winding station, to form cross wound bobbins, the workstation computer (32) sets the pressure action (APD) of the yarn brake (114,116) at the yarn tensioner (36) on the yarn (22), according to the measurements from the yarn take-off force sensor (54). The actual pressure force (APDist) is compared with a pressure threshold value (APDmax). If the threshold value is achieved or breached for a given duration, the bobbin winding action is stopped. The yarn brake pressure (APDist) is monitored while the winder workstation (10) is working at the run-up speed after splicing a break, and also at the normal bobbin winding working speed. When the threshold pressure value (APDmax) has been reached or breached, for the set time duration, a controlled yarn cutting action is triggered. A set length of the yarn (22) is retracted from the supply bobbin (14), and cut away. After a successful splicing action, bobbin winding is resumed. The process is repeated at least once and, on again reaching or breaching the pressure threshold value (APDmax) for the set time duration, the winding workstation (10) is shut down. The time duration taken for action on a breach of the pressure threshold value (APDmax) is 1-3 seconds and especially 2 seconds.

IPC 1-7

**B65H 63/02**; **B65H 63/036**; **B65H 69/00**; **B65H 59/24**

IPC 8 full level

**B65H 54/22** (2006.01); **B65H 59/24** (2006.01); **B65H 63/02** (2006.01); **B65H 63/036** (2006.01); **B65H 69/00** (2006.01); **B65H 69/06** (2006.01)

CPC (source: EP US)

**B65H 59/24** (2013.01 - EP US); **B65H 63/02** (2013.01 - EP US); **B65H 63/036** (2013.01 - EP US); **B65H 69/00** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (search report)

- [DA] DE 4129803 A1 19930311 - SCHLAFHORST & CO W [DE]
- [A] EP 0619261 A1 19941012 - INT TRADING SRL [IT]
- [A] EP 0734990 A2 19961002 - SAVIO MACCHINE TESSILI SPA [IT]
- [A] EP 0875479 A1 19981104 - SSM AG [CH]

Cited by

NL2004380A

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1028080 A2 20000816**; **EP 1028080 A3 20001108**; **EP 1028080 B1 20031022**; DE 19905860 A1 20000817; DE 50004117 D1 20031127; JP 2000238963 A 20000905; JP 4531906 B2 20100825; TR 200000387 A2 20000921; TR 200000387 A3 20000921; US 6340129 B1 20020122

DOCDB simple family (application)

**EP 00100170 A 20000111**; DE 19905860 A 19990212; DE 50004117 T 20000111; JP 2000032214 A 20000209; TR 200000387 A 20000210; US 50146300 A 20000209