Title (en)
YARN PROCESSOR

Title (de)
GARNVERARBEITUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE TRAITEMENT DE FIL

Publication
EP 4292968 A1 20231220 (EN)

Application
EP 23174769 A 20230523

Priority
JP 2022095425 A 20220614

Abstract (en)
Contamination of a wound package that is a product with a low-quality yarn is avoided. A machine controller 5 of a false-twist texturing machine 1 generates, by calculation, remaining amount-related information that is numerical information regarding the remaining amount of a yarn Y remaining in a yarn supply package Ps1. When determining that a yarn Y in a wound package Pw reaches a predetermined target wound amount, the machine controller 5 performs a formation termination process so that a cutter of an automatic doffer 10 is controlled to cut the yarn Y and a winding device 19 is controlled to terminate the formation of the wound package Pw. Thereafter, the machine controller 5 performs a replacement process to cause the automatic doffer 10 to replace the wound package Pw with a new winding bobbin Bw. When determining that the numerical value of the remaining amount-related information becomes not larger than a predetermined value, the machine controller 5 performs a formation termination process to form, at the winding device 19, a wound package Pw3s (formation forcible termination wound package) having a smaller amount of the yarn Y than a target wound amount.

IPC 8 full level
B65H 63/00 (2006.01); **B65H 63/08** (2006.01); **B65H 67/04** (2006.01)

CPC (source: EP)
B65H 63/00 (2013.01); **B65H 63/086** (2013.01); **B65H 67/0405** (2013.01); B65H 2701/31 (2013.01)

Citation (applicant)
- JP 52658491 A
- JP 5873105 B2 20160301
- JP H06212521 A 19940802 - MURATA MACHINERY LTD
- JP 2002088605 A 20020327 - AIKI SEISAKUSHO KK

Citation (search report)
- [AD] JP 2003526584 A 20030909 & US 2001037545 A1 20011108 - STUTTEM MANFRED [DE]
- [A] EP 2664572 A2 20131120 - MURATA MACHINERY LTD [JP]
- [A] EP 3771677 A1 20210203 - TMT MACHINERY INC [JP]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4292968 A1 20231220; CN 117228437 A 20231215; JP 2023182044 A 20231226; TW 202348856 A 20231216

DOCDB simple family (application)
EP 23174769 A 20230523; CN 202310545939 A 20230515; JP 2022095425 A 20220614; TW 112119386 A 20230524