

Title (en)

FALSE-TWIST TEXTURING MACHINE INCLUDING EMPTY TAKE-UP TUBE SUPPLIER

Title (de)

FALSCHDRALLTEXTURIERMASCHINE MIT LEERAUFNAHMEROHRZUFÜHRER

Title (fr)

MACHINE DE TEXTURATION PAR FAUSSE TORSION COMPRENANT UN FOURNISSEUR DE TUBES DE RÉCEPTION VIDES

Publication

**EP 4098596 A1 20221207 (EN)**

Application

**EP 22175093 A 20220524**

Priority

JP 2021091570 A 20210531

Abstract (en)

An operator, an automatic robot, or the like is prevented from forgetting replenishment of empty take-up tubes to an empty take-up tube supplier, and occurrence of a failure in winding of a yarn by a winding device is prevented. A false-twist texturing machine 1 includes empty bobbin suppliers 23 provided for winding devices, respectively, and configured to supply empty bobbins Bw to each winding device and a control unit. Each empty bobbin supplier 23 includes a stocker portion 51, a first sensor 52, and a second sensor 53. When the first sensor 52 and the second sensor 53 detect that the number of empty bobbins Bw accommodated in the stocker portion 51 is equal to or less than a predetermined number, a control unit 40 generates a notification signal by which the necessity of the replenishment of empty bobbins Bw to the stocker portion 51 is notified.

IPC 8 full level

**B65H 67/04** (2006.01)

CPC (source: CN EP)

**B65H 67/0417** (2013.01 - EP); **B65H 67/068** (2013.01 - CN); **D01H 9/00** (2013.01 - CN); **D02G 1/04** (2013.01 - CN); **B65H 2701/31** (2013.01 - EP)

Citation (applicant)

- JP 2011047074 A 20110310 - TMT MACHINERY INC
- JP H10279188 A 19981020 - TEIJIN SEIKI CO LTD

Citation (search report)

- [Y] JP 2006283256 A 20061019 - TMT MACHINERY INC
- [Y] GB 2179066 A 19870225 - RIETER AG MASCHF
- [A] DE 102010025895 A1 20120105 - OERLIKON TEXTILE GMBH & CO KG [DE]
- [A] EP 2424804 B1 20130612 - OERLIKON TEXTILE GMBH & CO KG [DE]
- [A] US 4610405 A 19860909 - NOSHI SHINJI [JP]
- [A] JP H0986798 A 19970331 - MURATA MACHINERY LTD
- [A] DE 19512891 A1 19961010 - SCHLAFHORST & CO W [DE]

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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**EP 4098596 A1 20221207**; CN 115478344 A 20221216; JP 2022183992 A 20221213; TW 202248484 A 20221216

DOCDB simple family (application)

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