

Title (en)

CORE YARN SUPPLYING DEVICE, SPINNING MACHINE, AND METHOD OF SUPPLYING CORE YARN

Title (de)

CORE-GARNZUFÜHRVORRICHTUNG, SPINNMASCHINE UND VERFAHREN ZUM ZUFÜHREN VON CORE-GARN

Title (fr)

DISPOSITIF ET PROCÉDÉ D'ALIMENTATION DE FIL COMPOSÉ D'UNE ÂME ET MACHINE DE FILAGE

Publication

**EP 3040458 A1 20160706 (EN)**

Application

**EP 15186903 A 20150925**

Priority

JP 2014239839 A 20141127

Abstract (en)

A core yarn supplying unit (51) includes a tension applying section (70) adapted to apply tension to a core yarn (C); a slack applying section (80) adapted to apply slack to the core yarn (C); a core yarn feeding unit (100) adapted to feed the core yarn (C) at downstream of the tension applying section (70) and the slack applying section (80) in a travelling direction of the core yarn (C); and a detecting section (90) adapted to detect status of the core yarn (C) at upstream of the tension applying section (70) in the travelling direction of the core yarn C.

IPC 8 full level

**D01H 13/04** (2006.01); **D02G 3/36** (2006.01)

CPC (source: EP)

**B65H 51/20** (2013.01); **B65H 59/32** (2013.01); **D01H 13/04** (2013.01); **D02G 3/367** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)

JP 2012131591 A 20120712 - MURATA MACHINERY LTD

Citation (search report)

- [E] EP 2966202 A2 20160113 - MURATA MACHINERY LTD [JP]
- [E] EP 2966203 A2 20160113 - MURATA MACHINERY LTD [JP]
- [A] JP H05302225 A 19931116 - MURATA MACHINERY LTD
- [A] JP H0715783 U 19950317
- [A] US 3778988 A 19731218 - WHITE W, et al

Cited by

EP4015683A1; US11926934B2

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

DOCDB simple family (publication)

**EP 3040458 A1 20160706; EP 3040458 B1 20170823**; CN 105648584 A 20160608; CN 105648584 B 20190510; JP 2016102268 A 20160602

DOCDB simple family (application)

**EP 15186903 A 20150925**; CN 201510706967 A 20151027; JP 2014239839 A 20141127