

Title (en)
SPINNING MACHINE AND SPINNING METHOD

Title (de)
SPINNMASCHINE UND SPINNVERFAHREN

Title (fr)
MÉTIER À FILER ET PROCÉDÉ DE FILAGE

Publication
EP 3330416 A1 20180606 (EN)

Application
EP 17203597 A 20171124

Priority
JP 2016234412 A 20161201

Abstract (en)
A spinning machine (1) includes a draft device (6), an air-jet spinning device (7), and a control unit (10) configured to control operations of the draft device (6) and the air-jet spinning device (7) . When a fiber bundle (F) is split, the control unit (10) changes a drafting ratio to a ratio different from a drafting ratio for a first drafting operation of drafting the fiber bundle (F) in the draft device (6) to cause the draft device (6) to perform a second drafting operation of drafting the fiber bundle (F), and then causes at least one splitting operation to be performed among splitting operations of stopping rotation of at least one of the roller pairs (14, 15, 16, 17), stopping injection of the air in the air-jet spinning device (7), and starting the movement of the air-jet spinning device (7) from the spinning position to the retracted position.

IPC 8 full level
D01H 1/115 (2006.01); **D01H 1/22** (2006.01); **D01H 15/00** (2006.01)

CPC (source: CN EP)
D01H 1/115 (2013.01 - EP); **D01H 1/22** (2013.01 - EP); **D01H 4/02** (2013.01 - CN); **D01H 5/22** (2013.01 - CN); **D01H 13/32** (2013.01 - CN); **D01H 15/00** (2013.01 - EP)

Citation (applicant)
JP 2006144136 A 20060608 - MURATA MACHINERY LTD

Citation (search report)

- [A] EP 2949793 A2 20151202 - MURATA MACHINERY LTD [JP]
- [A] EP 2949794 A1 20151202 - MURATA MACHINERY LTD [JP]
- [A] EP 1347085 A2 20030924 - MURATA MACHINERY LTD [JP]

Cited by
EP3505661A1; EP3663444A1; IT201800010751A1

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 3330416 A1 20180606; CN 108130639 A 20180608; CN 108130639 B 20220408; JP 2018090923 A 20180614

DOCDB simple family (application)
EP 17203597 A 20171124; CN 201711212539 A 20171128; JP 2016234412 A 20161201