

Title (en)
SPINNING MACHINE AND SPINNING METHOD

Title (de)
SPINNMASCHINE UND SPINNVERFAHREN

Title (fr)
MÉTIER À FILER ET PROCÉDÉ DE FILAGE

Publication
EP 3103903 A1 20161214 (EN)

Application
EP 16172736 A 20160602

Priority
JP 2015118170 A 20150611

Abstract (en)
A spinning machine includes an air spinning device (7) that generates a yarn (Y) by performing a spinning operation of applying twists to a fiber bundle (F) by using air; and a supplying device (60) that supplies agent-containing air that contains agent to the fiber bundle (F) or the yarn (Y) at a position between a position upstream of an inlet of the air spinning device (7) for the fiber bundle (F) and an outlet of the air spinning device (7) for the yarn (Y); and a controlling device (10) that controls an operation of the supplying device (60). The controlling device (10) supplies the agent-containing air from the supplying device (60) during at least a part of a time period during which the spinning operation is temporarily interrupted in a situation in which the spinning operation should have been continued.

IPC 8 full level
D01H 4/02 (2006.01); **D01H 1/115** (2006.01); **D01H 13/30** (2006.01)

CPC (source: CN EP)
D01H 1/115 (2013.01 - EP); **D01H 4/02** (2013.01 - CN EP); **D01H 13/00** (2013.01 - CN); **D01H 13/30** (2013.01 - CN); **D01H 13/306** (2013.01 - EP)

Citation (applicant)
JP 2012097391 A 20120524 - MURATA MACHINERY LTD

Citation (search report)

- [XP] EP 2980285 A2 20160203 - RIETER AG MASCHF [CH]
- [Y] FR 2724947 A1 19960329 - VANHELLE MICHEL EUGENE ALBERT [FR]
- [Y] JP H06173131 A 19940621 - MURATA MACHINERY LTD
- [A] US 4945718 A 19900807 - STAHLECKER FRITZ [DE], et al
- [Y] EP 2450478 A2 20120509 - MURATA MACHINERY LTD [JP]
- [Y] US 2781021 A 19570212 - WILLIAM SCHMITZ
- [Y] FR 2061653 A1 19710625 - RIETER AG MASCHF
- [Y] JP S6170062 A 19860410 - MITSUBISHI RAYON CO

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 3103902 A1 20161214; **EP 3103902 B1 20201216**; CN 106245163 A 20161221; CN 106245163 B 20210105; CN 106245164 A 20161221; CN 106245164 B 20201201; EP 3103903 A1 20161214; EP 3103903 B1 20191106; JP 2017002431 A 20170105

DOCDB simple family (application)
EP 16170358 A 20160519; CN 201610349600 A 20160524; CN 201610350400 A 20160524; EP 16172736 A 20160602; JP 2015118170 A 20150611