

Title (en)
AIR-JET SPINNING MACHINE

Title (de)
LUFTSPINNMASCHINE

Title (fr)
MÉTIER À FILER À JET D'AIR

Publication
EP 3421650 A1 20190102 (EN)

Application
EP 18173240 A 20180518

Priority
JP 2017126354 A 20170628

Abstract (en)
An air-jet spinning machine (1) includes a draft device (6), a pneumatic spinning device (7), and a detecting device (8, 9, 36, 38, 39, 51) adapted to detect a presence or an absence of the yarn (Y). The draft device (6) includes a moving section (100) adapted to move a top roller (17b) between a contacting position and a separated position, the contacting position being a position where the top roller (17b) makes contact with a bottom roller (17a) and the separated position being a position where the top roller (17b) is located away from the bottom roller (17a) and an inlet (7a) of the pneumatic spinning device (7). The moving section (100) moves the top roller (17b) to the separated position at interruption of spinning operation.

IPC 8 full level
D01H 1/115 (2006.01); **D01H 5/52** (2006.01); **D01H 5/56** (2006.01); **D01H 15/00** (2006.01)

CPC (source: CN EP)
D01H 1/115 (2013.01 - EP); **D01H 4/02** (2013.01 - CN); **D01H 4/30** (2013.01 - CN); **D01H 4/42** (2013.01 - CN); **D01H 4/48** (2013.01 - CN); **D01H 5/525** (2013.01 - EP); **D01H 5/565** (2013.01 - EP); **D01H 15/00** (2013.01 - EP)

Citation (applicant)
JP 2011038225 A 20110224 - MURATA MACHINERY LTD

Citation (search report)

- [X] JP H08246271 A 19960924 - MURATA MACHINERY LTD
- [I] EP 2679711 A1 20140101 - RIETER AG MASCHF [CH]
- [I] EP 1431433 A1 20040623 - RIETER AG MASCHF [CH]
- [I] DE 3336294 A1 19840412 - TOYODA AUTOMATIC LOOM WORKS [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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3421650 A1 20190102; CN 109137162 A 20190104; CN 109137162 B 20220412; JP 2019007115 A 20190117

DOCDB simple family (application)
EP 18173240 A 20180518; CN 201810568874 A 20180605; JP 2017126354 A 20170628