

Title (en)
Spinning unit and spinning machine

Title (de)
Spinnereinheit und Spinnmaschine

Title (fr)
Unité de filature et fileuse

Publication
EP 2573220 A3 20161012 (EN)

Application
EP 12172780 A 20120620

Priority
JP 2011206518 A 20110921

Abstract (en)
[origin: EP2573220A2] A spinning unit includes a drafting section (2) adapted to draft a fiber bundle (F), a spinning section (3) adapted to twist the fiber bundle (F) drafted by the drafting section (2), a pneumatic actuator (38) adapted to move the spinning section (3) in a direction away from the drafting section (2), and an elastic member (39) adapted to move the spinning section (3) in a direction towards the drafting section (2).

IPC 8 full level
D01H 1/14 (2006.01)

CPC (source: EP)
D01H 1/115 (2013.01); **D01H 1/14** (2013.01)

Citation (search report)

- [ID] JP 2011038210 A 20110224 - MURATA MACHINERY LTD
- [I] US 4819419 A 19890411 - STAHLER FRITZ [DE], et al
- [I] JP 2002155432 A 20020531 - MURATA MACHINERY LTD

Cited by
DE102017113257A1; EP3663445A1; DE102018130826A1; EP3048191A1; DE102015100825A1; WO2018228864A1; EP3168340A4; DE102019103271A1; CN105274667A; EP2966199A3; EP3835467A1; WO2020165044A1; WO2021116083A1; EP3048191B1

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 2573220 A2 20130327; EP 2573220 A3 20161012; EP 2573220 B1 20191023; CN 103014930 A 20130403; CN 103014930 B 20160525; JP 2013067895 A 20130418

DOCDB simple family (application)
EP 12172780 A 20120620; CN 201210214720 A 20120626; JP 2011206518 A 20110921