

Title (en)
Spinning machine

Title (de)
Spinnmaschine

Title (fr)
Fileuse

Publication
EP 2565307 A3 20150513 (EN)

Application
EP 12171517 A 20120611

Priority
JP 2011188860 A 20110831

Abstract (en)
[origin: EP2565307A2] A spinning sensor (52) detects a tension of a spun yarn (10) travelling between a spinning device and a winding device. The spinning sensor (52) includes a yarn guide (60) making contact with the travelling spun yarn 10, and a strain sensor to output a signal according to a force applied to the yarn guide 60. The yarn guide 60 has a substantially arcuate cross-sectional contour at a cross section perpendicular to an axial line (64) at least at a portion making contact with the spun yarn (10). A direction parallel to a yarn path of the spun yarn (10) located upstream of the yarn guide (60) is a Y-axial direction. A direction parallel to an axial direction of a draft roller is an X-axial direction. A direction perpendicular to the Y-axial and the X-axial directions is a Z-axial direction. When viewed in the Z-axial direction, an axial line (64) of the yarn guide (60) is inclined with respect to the Y-axial direction.

IPC 8 full level
D01H 13/16 (2006.01); **B65H 59/40** (2006.01); **D01H 13/22** (2006.01)

CPC (source: CN EP)
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Citation (search report)

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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

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DOCDB simple family (application)
EP 12171517 A 20120611; CN 201210128904 A 20120427; CN 201220187038 U 20120427; CN 201610152889 A 20120427; EP 17185676 A 20120611; IN 1347DE2012 A 20120502; JP 2011188860 A 20110831