

Title (en)

FIBER BUNDLE SUPPLY STOP APPARATUS FOR SPINNING MACHINE

Title (de)

FASERBÜNDELVERSORGUNGSSTOPPVORRICHTUNG FÜR SPINNMASCHINE

Title (fr)

APPAREIL D'ARRÊT D'ALIMENTATION DE FAISCEAU DE FIBRES POUR MÉTIER À FILER

Publication

EP 2963163 A3 20160406 (EN)

Application

EP 15170015 A 20150601

Priority

JP 2014115656 A 20140604

Abstract (en)

[origin: EP2963163A2] In a fiber bundle supply stop apparatus for a ring spinning machine (11), a plurality of yarn break detectors (13) detects whether or not a yarn on a corresponding spindle (12) is broken, a position detector (15, 16, 24, 25) detects a position of a worker (W) or a machine providing yarn piecing service, and a controller (17, 21) controls fiber bundle supply stop devices (14) to estimate a time required for the worker (W) or the machine to arrive at a position of the spindle (12A, 12B) having a yarn break based on the detected position of the worker (W) or the machine, to continue supply of the fiber bundle to the spindle (12A, 12B) having the yarn break when the estimated required time is a predetermined value or smaller, and to stop supply of the fiber bundle when the estimated required time is greater than the predetermined value.

IPC 8 full level

D01H 1/20 (2006.01); **D01H 13/00** (2006.01); **D01H 13/18** (2006.01)

CPC (source: EP)

D01H 1/20 (2013.01); **D01H 13/18** (2013.01); **D01H 13/005** (2013.01); **D01H 15/00** (2013.01)

Citation (search report)

- [A] DE 3909746 A1 19901018 - RIETER AG MASCHF [CH]
- [A] DE 3135333 A1 19830324 - ZINSER TEXTILMASCHINEN GMBH [DE]
- [A] EP 2573234 A1 20130327 - MURATA MACHINERY LTD [JP]

Cited by

CN107385588A; EP3385415A1

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)

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