

Title (en)

APPARATUS FOR ASSISTING IN YARN PIECING IN RING TYPE SPINNING MACHINE

Title (de)

VORRICHTUNG ZUR UNTERSTÜTZUNG DER FADENZUSAMMENSETZUNG IN SPINNMASCHINEN VOM RINGTYP

Title (fr)

APPAREIL POUR AIDER AU PERCEMENT DE FIL DANS UNE MACHINE À FILER À ANNEAU

Publication

**EP 2952461 A3 20160406 (EN)**

Application

**EP 15169111 A 20150526**

Priority

JP 2014113935 A 20140602

Abstract (en)

[origin: EP2952461A2] An apparatus for assisting in yarn piecing in a ring type spinning machine (11) having a plurality of spindles (12) and a plurality of yarn break detectors (13) provided for the respective spindles (12) includes a position detector (16, 17) that detects a position of a worker who provides yarn piecing service, a plurality of indicators (14, 15) that guides the worker to a position of one of the spindles (12A) having a yarn break, and a controller (18, 20) that controls the indicators (14, 15) based on the position of the spindle (12A) having the yarn break and the position of the worker.

IPC 8 full level

**B65H 54/26** (2006.01); **D01H 15/013** (2006.01)

CPC (source: EP)

**B65H 54/26** (2013.01); **D01H 13/1666** (2013.01); **D01H 15/00** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [X] DE 3135333 A1 19830324 - ZINSER TEXTILMASCHINEN GMBH [DE]
- [X] US 4823544 A 19890425 - IGEL WOLFGANG [DE]
- [A] GB 1323566 A 19730718 - TSUDAKOMA IND CO LTD

Cited by

CN108677296A; CN108588920A; EP3608457A1

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 2952461 A2 20151209**; **EP 2952461 A3 20160406**; **EP 2952461 B1 20170712**; CN 105297208 A 20160203; CN 105297208 B 20171208; JP 2015227520 A 20151217; JP 6028767 B2 20161116

DOCDB simple family (application)

**EP 15169111 A 20150526**; CN 201510291563 A 20150601; JP 2014113935 A 20140602