

Title (en)

A YARN PIECING SYSTEM AND METHOD FOR PIECING AUXILIARY YARN AT A SPINNING STATION OF A RING SPINNING MACHINE, AND YARN HANDLING TOOL FOR USING WITH THE CLAIMED SYSTEM

Title (de)

GARNANSPINNSYSTEM UND VERFAHREN ZUM ANSPINNEN EINES HILFSGARNS AN EINER SPINNSTELLE EINER RINGSPINNMASCHINE UND GARNHANDHABUNGSWERKZEUG ZUR VERWENDUNG MIT DIESEM SYSTEM

Title (fr)

SYSTÈME ET PROCÉDÉ DE RATTACHEMENT DE FIL POUR RATTACHER DES FILS AUXILIAIRES AU NIVEAU D'UNE STATION DE FILAGE D'UNE MACHINE À FILER À ANNEAU ET OUTIL DE MANIPULATION DE FIL À UTILISER AVEC LEDIT SYSTÈME

Publication

**EP 4063543 A1 20220928 (EN)**

Application

**EP 21382231 A 20210323**

Priority

EP 21382231 A 20210323

Abstract (en)

A yarn piecing system and method for piecing auxiliary yarn at a spinning station of a ring spinning machine, comprising yarn supplying means for supplying a free end of auxiliary yarn (12), yarn fastening means (11) for fastening auxiliary yarn (12) on outside the yarn feeding nozzle (10) to form a threading section ("S") of auxiliary yarn (12) and, automatic handling means (7) for handling the yarn supplying means and the yarn fastening means (11). The system is characterized in that said automatic handling means include a yarn handling tool (8) with a yarn feeding nozzle (10), and in that the system comprises air suction means (13) arranged to suction air into the yarn feeding nozzle (10), and processing and control means configured to supply an activation signal to said air suction means in order to suction air into the yarn feeding nozzle (10).

IPC 8 full level

**D01H 15/00** (2006.01)

CPC (source: CN EP)

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Citation (applicant)

JP H03199436 A 19910830 - TOYOTA CENTRAL RES & DEV

Citation (search report)

- [X] US 3905187 A 19750916 - HARMON ALBERT D, et al
- [A] EP 0518029 A1 19921216 - ZINSER TEXTILMASCHINEN GMBH [DE]
- [A] EP 3521487 A1 20190807 - RIETER AG MASCHF [CH]
- [A] EP 0391110 A2 19901010 - RIETER AG MASCHF [CH]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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