

Title (en)

Method and device for introducing of yarn end into a spinning nozzle of a jet spinning machine

Title (de)

Verfahren und Vorrichtung zur Einführung des Garnendes in die Spinndüse einer Düsenspinnmaschine

Title (fr)

Procédé et dispositif pour introduire un fil dans une buse de filature d'une machine à jet d'air

Publication

EP 1967620 A2 20080910 (EN)

Application

EP 08466005 A 20080304

Priority

CZ 2007178 A 20070308

Abstract (en)

The invention relates to the method for introducing of yarn end (A) into a spinning nozzle (1) of the jet spinning machine, during which the yarn (A) is handed over to the introducing head (2) of an attending device, which is movably mounted along at least one row of operating units, and which is capable to stop in front of the specified operating unit requiring attendance, while the introducing head (2) transports the yarn end (A) for introducing to an outlet opening (11) of the spinning nozzle (1). At handing over the yarn (A) into the introducing head (2) the yarn (A) on the introducing head (2) is guided into a defined position, it is caught in the introducing head (2) and there is created an end of yarn (A) for introducing, which in the defined position is held at the introducing head (2), which after then shifts to an outlet opening (11) of the spinning nozzle (1) into its introducing position, consequently the yarn end (A) releases from holding at the introducing head (2) and it is exposed to suction from outlet opening (11) of the spinning nozzle (1), through which the yarn end (A) straightens towards an outlet opening (11) of the spinning nozzle (1) and it is sucked into an outlet opening (11) of the spinning nozzle (1), through which it is repeatedly achieved that the yarn end (A) is reliably introduced for introducing into the spinning nozzle (1) for spinning renewal. The invention also relates to attending device of the jet spinning machine, which is movable along a row of operating units, while it comprises the introducing head (2) adjustable during attendance of an operating unit into a position for take-over of the yarn (A) after spinning interruption, and further adjustable into a introducing position of a yarn end (A) for introducing into the spinning nozzle (1). The introducing head (2) is provided with the means for catching the yarn (A) in a defined position and further it is provided with the means for forming a yarn end (A) for introducing and the means for holding a yarn end (A) for introducing in defined position at the introducing head (2).

IPC 8 full level

D01H 1/115 (2006.01); **D01H 4/02** (2006.01); **D01H 15/00** (2006.01)

CPC (source: EP)

D01H 1/115 (2013.01); **D01H 4/02** (2013.01); **D01H 15/002** (2013.01)

Citation (applicant)

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- US 5813209 A 19980929 - HIRAO OSAMU [JP], et al
- WO 9400626 A1 19940106 - RIETER AG MASCHF [CH], et al
- EP 0433832 A1 19910626 - RIETER AG MASCHF [CH]

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CN105019091A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1967620 A2 20080910; **EP 1967620 A3 20110511**; CN 101260583 A 20080910; CN 101260583 B 20110727; CZ 2007178 A3 20080917

DOCDB simple family (application)

EP 08466005 A 20080304; CN 200810083486 A 20080307; CZ 2007178 A 20070308