

Title (en)

Piecing method and device in an air jet spinning machine

Title (de)

Verfahren und Vorrichtung zum Anspinnen eines Fadens in einer Luftspinnmaschine

Title (fr)

Métier à tisser à jet d'air et procédé destiné au rattachement d'un fil

Publication

EP 2679711 B1 20180418 (DE)

Application

EP 13170816 A 20130606

Priority

- DE 102012105320 A 20120619
- DE 102012108380 A 20120910

Abstract (en)

[origin: EP2679711A1] The method involves interrupting the spinning process when a yarn fault is detected such that the yarn (4) detaches from the fiber strand (3) and a yarn end is formed. A piecing process is initiated subsequent to the interruption of the spinning process, in which the yarn end is suctioned with a suction unit (7) of a spinning station (2) in the area between an outlet opening (8) of a vortex chamber (1) and a withdrawal device (5). The yarn end and the end section of the fiber strand are jointly moved-in into the vortex chamber and the spinning process is resumed. An independent claim is included for an air jet spinning machine with a yarn store.

IPC 8 full level

D01H 15/00 (2006.01)

CPC (source: EP US)

D01H 4/02 (2013.01 - US); **D01H 4/48** (2013.01 - US); **D01H 4/50** (2013.01 - US); **D01H 15/002** (2013.01 - EP US)

Cited by

CN109790649A; EP3231902A1; EP3309281A1; EP4050138A1; EP3178974A1; EP3421650A1; EP3438333A1; CN109137162A; US10577728B2; WO2018065843A1; WO2019012143A3; US11753748B2; US11753747B2

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DOCDB simple family (publication)

EP 2679711 A1 20140101; **EP 2679711 B1 20180418**; BR 102013012335 A2 20150602; CN 103510200 A 20140115; CN 103510200 B 20170301; DE 102012108380 A1 20131219; JP 2014001491 A 20140109; JP 6180809 B2 20170816; US 2013333347 A1 20131219; US 8904742 B2 20141209

DOCDB simple family (application)

EP 13170816 A 20130606; BR 102013012335 A 20130517; CN 201310224811 A 20130607; DE 102012108380 A 20120910; JP 2013127721 A 20130618; US 201313921592 A 20130619