Title (en)

Procedure for piecing yarn in a device, for producing a twisted yarn in an integrated spinning and twisting process, as well as a device to carry out the procedure

Title (de)

Verfahren zum Anspinnen eines Fadens in einer Vorrichtung zur Herstellung eines Zwirns in einem integrierten Spinn-Zwirnprozess sowie Vorrichtung zur Durchführung des Verfahrens

Title (fr)

Procédé pour rattacher un fil dans un dispositif pour fabriquer un retors dans un processus filature, torsion ainsi que dispositif pour réaliser le procédé

Publication

EP 0701014 B1 19971119 (DE)

Application

EP 95108575 A 19950603

Priority

DE 4431830 A 19940907

Abstract (en)

[origin: JPH08170233A] PROBLEM TO BE SOLVED: To provide a method and device in simple means requiring no complicated mechanical apparatus and independent reverse control device. SOLUTION: A joining thread is threaded with one end into a hollow spindle axle and with the other end into a spinning rotor. A thread loop SF having a predetermined length is generated from each joining thread in the region between the inlet of the hollow spindle axle and the spinning rotor. Each thread loop SF is guided such that a first thread branch is fed into the spinning rotor and a second thread branch is fed to the hollow spindle. When the thread loop FS is resolved, the direction of movement of the first thread branch is reversed, and the whole joining thread is taken out through the hollow spindle axle.

IPC 1-7

D01H 7/86; D01H 4/48

IPC 8 full level

D01H 4/08 (2006.01); D01H 4/48 (2006.01); D01H 4/50 (2006.01); D01H 7/86 (2006.01); D01H 7/90 (2006.01); D01H 15/007 (2006.01)

CPC (source: EP US)

D01H 4/50 (2013.01 - EP US); D01H 7/86 (2013.01 - EP US); D01H 7/90 (2013.01 - EP US); D01H 15/007 (2013.01 - EP US)

Cited by

DE10049719C1; DE10021158A1; DE10021159A1; DE10021160C1; US6363705B2; EP1149938A3

Designated contracting state (EPC)

CH FR GB IT LI

DOCDB simple family (publication)

DE 4431830 C1 19951026; CN 1061394 C 20010131; CN 1131706 A 19960925; CZ 228995 A3 19960313; CZ 287536 B6 20001213; EP 0701014 A2 19960313; EP 0701014 A3 19960501; EP 0701014 B1 19971119; JP H08170233 A 19960702; US 5626011 A 19970506

DOCDB simple family (application)

DE 4431830 A 19940907; CN 95116221 A 19950907; CZ 228995 A 19950906; EP 95108575 A 19950603; JP 23054595 A 19950907; US 52417795 A 19950906