

Title (en)

ROTOR SPINNING METHOD AND DEVICE FOR FIVE-SLIVER ASYNCHRONOUS INPUTTING AND THREE-LEVEL CARDING

Title (de)

ROTORSPINNVERFAHREN UND -VORRICHTUNG ZUR ASYNCHRONEN EINFÜHRUNG VON FÜNF BÄNDERN UND ZUR DREISTUFIGEN KARDIERUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE FILATURE À ROTOR POUR ENTRÉE ASYNCHRONE DE CINQ RUBANS ET CARDAGE À TROIS NIVEAUX

Publication

**EP 3327183 B1 20190710 (EN)**

Application

**EP 15901884 A 20151030**

Priority

- CN 201510521024 A 20150821
- CN 2015000735 W 20151030

Abstract (en)

[origin: EP3327183A1] A multi-level carding rotor spinning method and device. The device comprises a spinning system and a computer control system. The spinning system comprises a feeding and carding mechanism, a collecting and twisting mechanism, and a winding mechanism. The feeding and carding mechanism comprises combined feeding rollers (2-6, 2-7, 2-8, 2-9, 2-10) having five rotational freedom degrees and multiple levels of carding rollers (2-12, 2-13, 2-14). The speed ratio of five rollers of the combined feeding rollers with five rotational freedom degrees can be adjusted, so that the linear density and the blending ratio of rotor spun yarns are randomly adjusted.

IPC 8 full level

**D01H 4/08** (2006.01); **D01H 4/32** (2006.01); **D01H 4/44** (2006.01)

CPC (source: EP)

**D01H 4/32** (2013.01)

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

DOCDB simple family (publication)

**EP 3327183 A1 20180530; EP 3327183 A4 20180905; EP 3327183 B1 20190710;** CN 105113066 A 20151202; CN 105113066 B 20180216; WO 2017031610 A1 20170302

DOCDB simple family (application)

**EP 15901884 A 20151030;** CN 2015000735 W 20151030; CN 201510521024 A 20150821