

Title (en)
ROTOR SPINNING METHOD AND APPARATUS USING THREE-COTTON-SLIVER ASYNCHRONOUS INPUT AND MULTI-STAGE CARDING

Title (de)
ROTORSPINNVERFAHREN UND -VORRICHTUNG MIT ASYNCHRONER EINFÜHRUNG VON DREI BAUMWOLLBÄNDERN UND MEHRSTUFIGER KARDIERUNG

Title (fr)
PROCÉDÉ ET APPAREIL DE FILATURE À ROTOR UTILISANT L'INTRODUCTION ASYNCHRONE DE TROIS RUBANS DE FIBRES DE COTON ET UN CARDAGE MULTI-ÉTAGE

Publication
EP 3327185 B1 20190724 (EN)

Application
EP 15901886 A 20151030

Priority
• CN 201510518853 A 20150821
• CN 2015000737 W 20151030

Abstract (en)
[origin: EP3327185A1] A device for a rotor spinning method using multi-level carding includes a spinning system and a computer control system. The spinning system includes a feeding and carding mechanism, a collecting and twisting mechanism, and a winding mechanism. The device is characterized in that the feeding and carding mechanism includes combined feeding rollers (2-4, 2-5, 2-6) having three rotation freedom degrees and multi-level carding rollers (2-8, 2-9, 2-10), the speed ratio of three rollers of the combined feeding rollers (2-4, 2-5, 2-6) having three rotation freedom degrees is adjustable, and therefore the linear density and blending ratio of rotor spun yarn can be regulated and controlled randomly. A rotor spinning method using three- sliver asynchronous input and multi-level carding is also disclosed.

IPC 8 full level
D01H 4/08 (2006.01); **D01H 4/32** (2006.01); **D01H 4/42** (2006.01); **D01H 4/44** (2006.01)

CPC (source: EP)
D01H 4/32 (2013.01); **D01H 4/44** (2013.01); **D02G 3/346** (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 3327185 A1 20180530; **EP 3327185 A4 20180801**; **EP 3327185 B1 20190724**; CN 105063821 A 20151118; CN 105063821 B 20180119; WO 2017031612 A1 20170302

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EP 15901886 A 20151030; CN 2015000737 W 20151030; CN 201510518853 A 20150821