

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 A4 20180801 (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.

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D01H 4/32 (2013.01); **D01H 4/44** (2013.01); **D02G 3/346** (2013.01)

Citation (search report)
• [AD] CN 103938322 A 20140723 - UNIV JIAXING
• [A] CN 104762713 A 20150708 - UNIV JIANGNAN
• [A] EP 1564318 A2 20050817 - SAURER CZECH A S [CZ]
• [A] EP 1352998 A2 20031015 - RIETER INGOLSTADT SPINNEREI [DE]
• See references of WO 2017031612A1

Designated contracting state (EPC)
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