

Title (en)  
ROTOR SPINNING METHOD AND DEVICE FOR FOUR-SLIVER ASYNCHRONOUS INPUTTING AND THREE-LEVEL CARDING

Title (de)  
ROTORSPINNVERFAHREN UND -VORRICHTUNG ZUR ASYNCHRONEN EINFÜHRUNG VON VIER BÄNDERN UND ZUR DREISTUFIGEN KARDIERUNG

Title (fr)  
PROCÉDÉ ET DISPOSITIF DE FILATURE À ROTOR POUR ENTRÉE ASYNCHRONE DE QUATRE RUBANS ET CARDAGE À TROIS NIVEAUX

Publication  
**EP 3327184 A4 20180905 (EN)**

Application  
**EP 15901885 A 20151030**

Priority  
• CN 201510521070 A 20150821  
• CN 2015000736 W 20151030

Abstract (en)  
[origin: EP3327184A1] A multi-level carding rotor spinning method and device. The device 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 feeding and carding mechanism includes combined feeding rollers (2-5, 2-6, 2-7, 2-8) having four rotational freedom degrees and multiple levels of carding rollers (2-10, 2-11, 2-12). The speed ratio of four rollers of the combined feeding rollers having four 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 4/08** (2013.01); **D01H 4/32** (2013.01); **D01H 4/44** (2013.01)

Citation (search report)  
• [AD] CN 103938322 A 20140723 - UNIV JIAXING  
• [A] CN 104726990 A 20150624 - 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 2017031611A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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