

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

Title (de)  
ROTORSPINNVERFAHREN UND -VORRICHTUNG MIT ASYNCHRONER EINFÜHRUNG VON ZWEI BAUMWOLLBÄNDERN UND DREISTUFIGER KARDIERUNG

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

Publication  
**EP 3327186 A4 20180822 (EN)**

Application  
**EP 15901887 A 20151030**

Priority  
• CN 201510516137 A 20150821  
• CN 2015000738 W 20151030

Abstract (en)  
[origin: EP3327186A1] Disclosed is a device for a rotor spinning method using multi-level carding. 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 a combined feeding roller (2-1, 2-2) with two rotational freedom degrees and a multi-level carding roller (2-6, 2-7, 2-8), the speed ratio of two rollers of the combined feeding roller (2-1, 2-2) with two rotational freedom degrees is adjustable, and therefore the linear density and blending ratio of rotor spun yarn can be regulated and controlled freely. A rotor spinning method using two-cotton-sliver asynchronous inputting and three-level carding is also disclosed.

IPC 8 full level  
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CPC (source: EP)  
**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 104711730 A 20150617 - 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 2017031613A1

Cited by  
DE102018006984A1

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