

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

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Application
EP 15901887 A 20151030

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Abstract (en)
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.

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