

Title (en)
CENTRIFUGAL SPINNING PROCESS AND DEVICE

Title (de)
ZENTRIFUGENSPINNVERFAHREN UND VORRICHTUNG HIERZU

Title (fr)
PROCEDE DE FILATURE PAR EFFET CENTRIFUGE ET DISPOSITIF A CET EFFET

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EP 0697041 A1 19960221 (DE)

Application
EP 94916192 A 19940504

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• EP 9301078 W 19930504

Abstract (en)
[origin: WO9425650A1] The invention pertains to a centrifugal spinning process for spinning a yarn of a classical type, wherein either in one step a fully twisted yarn or in a first step a partially twisted yarn is spun into a centrifuge (6) and removed, with the partially twisted yarn being given the remaining twist upon removal, in a second step during the winding up, using a centrifuge (6), drafting rollers (1), a joining member (2) and a traversing thread guide tube (4). The centrifuge (6) rotates in a chamber (7) at low pressure (pu), but within the centrifuge (6) there is normal air pressure (pn) and the spinning in within the centrifuge (6) is done under normal air pressure, with the low pressure (pu) being set so that essentially only bearing friction is generated in the rotation of the centrifuge (6), the air friction of the outer wall of the centrifuge (6, 35, 45, 53) in relation to a housing (5') being largely suppressed. A vacuum centrifuge (5) is rotatably mounted within a housing (5'), with variable low pressure (pu) in the chamber (7) between the centrifuge (6) and the housing (5'), the low pressure being adjustable so that essentially only the bearing friction of the centrifuge is generated with rotation, the air friction of the outer wall of the centrifuge being largely suppressed.

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