Title (en)

Method of manufacturing without strain a rotor of an open-end spinning machine.

Title (de)

Spanlos geformter Offenend-Spinnrotor sowie Verfahren zur Herstellung eines solchen Offenend-Spinnrotors.

Title (fr)

Procédé de fabrication sans contrainte d'une turbine de machine à filer à bout libéré.

Publication

EP 0154358 A2 19850911 (DE)

Application

EP 85103633 A 19830628

Priority

DE 3227479 A 19820722

Abstract (en)

[origin: US4777813A] At least the collecting groove surface of a chiplessly formed, open-end spinning rotor is not contacted with shaping tools as the groove is formed. Such collecting groove may have a surface including a number of smooth, uniformly distributed islets formed thereon during initial production of an intermediate product pot. To produce the rotor, a pot is first made by stretching and stamping flat material. The pot is then subjected to plastic deformation, such as roll pressing, to affect a peripheral wall of the pot to form the collecting groove between such peripheral wall and a bottom of the pot. Such plastic deformation may further optionally be accomplished without interior support of the walls thus formed, with the result that such undistributed slip walls also have smooth, uniformly distributed islets thereon.

Abstract (de)

Der spanlos geformte Offenend-Spinnrotor (1) weist an seinem offenen Rand (12) eine Verstärkung (14) auf. Diese ist als eine am Außenumfang des offenen Randes (12) vorgesehene Bördelung (14) ausgebildet. Bei der plastischen Verformung des Ausgangsmaterials in die endgültige Form des Spinnrotors (1) wird dessen Gleitwand (10) auf eine übermäßige Länge gebracht. Anschließend an diese plastische Verformung wird der offene Rand (12) des Spinnrotors (1) durch Umbördeln verstärkt.

IPC 1-7

D01H 7/885

IPC 8 full level

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CPC (source: EP US)

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