

Title (en)
Pot spinning machine and method for centrifugal spinning

Title (de)
Zentrifugenspinnmaschine und Verfahren zum Zentrifugenspinnen

Title (fr)
Métier à filer centrifuge et procédé de filage centrifuge

Publication
EP 1028181 B1 20030625 (DE)

Application
EP 00100169 A 20000111

Priority
DE 19905859 A 19990212

Abstract (en)
[origin: EP1028181A1] The centrifugal spinning machine has at least one spinning station (10), each with a rotating spinning pot (14), a guide (18) to lead in the roving (26') feed, and a drive (38) to give an axial movement between the roving guide (18) and the spinning pot (14). The roving yarn (26) at the guide (18) passes through the rotary axis of a rotor (46) of the drive (38). The drive is an electromotor, with a direct working action between the rotor (46) and the guide (18), where the rotor (46) is a cylinder (48) which holds the guide (18) in a positive fit. The cylinder (48) has an inner threading (50) which meshes with the outer threading (52) round the guide (18). The electromotor is a step motor (40). The guide (18) has an axial movement, keyed (58) against rotation in its mounting at the drive (38). The drive (38) has a shrouding (54) to prevent the entry of fiber debris and the like, as a flexible cylindrical cover (56), which grips at least partially round the guide (18). An Independent claim is included for a centrifugal spinning process where the roving yarn through the guide passes through the drive rotor axis, and the guide is moved axially by a direct action of the drive on it.

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