

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 A1 20000816 (DE)**

Application  
**EP 00100169 A 20000111**

Priority  
DE 19905859 A 19990212

Abstract (en)  
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.

Abstract (de)  
Die Erfindung betrifft eine Zentrifugenspinnmaschine mit wenigstens einer Spinnstelle (10), die jeweils einen in Rotation versetzbaren Spinntopf (14), einen mit Vorgarn (26') beschickbaren Fadenführer (18) sowie eine Antriebseinrichtung (38) zum Erzeugen einer Axialbewegung zwischen Fadenführer (18) und Spinntopf (14) aufweist. Erfindungsgemäß ist dabei vorgesehen, daß der im Fadenführer (18) geführte Faden (26) durch die Drehachse eines Rotors (46) der Antriebseinrichtung (38) läuft. <IMAGE>

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**D01H 1/08**

IPC 8 full level  
**D01H 1/08** (2006.01)

CPC (source: EP US)  
**D01H 1/08** (2013.01 - EP US)

Citation (search report)  
• [XAY] US 3314223 A 19670418 - EMILIAN BOBKOWICZ  
• [Y] CH 323562 A 19570815 - SPINNEREI KARL MARX VEB [DE]  
• [A] EP 0498171 A2 19920812 - SCHLAFHORST & CO W [DE]  
• [A] DE 4236379 A1 19940505 - SCHLAFHORST & CO W [DE]

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**EP 1028181 A1 20000816; EP 1028181 B1 20030625**; AT E243785 T1 20030715; CN 1263174 A 20000816; CN 1263905 C 20060712; DE 19905859 A1 20000817; DE 50002624 D1 20030731; JP 2000234221 A 20000829; TR 200000389 A2 20000921; TR 200000389 A3 20000921; US 6240715 B1 20010605

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