

Title (en)  
SPINNING ROTOR OF AN OPEN-END SPINNING MACHINE

Title (de)  
SPINNROTOR EINER OFFENEND-SPINNMASCHINE

Title (fr)  
ROTOR A FILER DE METIER A FILER A FIBRES LIBEREES

Publication  
**EP 1007772 B1 20030312 (EN)**

Application  
**EP 98910577 A 19980408**

Priority  
• CZ 9800018 W 19980408  
• CZ 106397 A 19970408

Abstract (en)  
[origin: WO9845514A1] The invention refers to a spinning rotor of an open-end spinning machine for spinning the yarn with high proportion of up to 100% flax fibres. The spinning rotor comprises an inlet aperture (1) leading into a gradually widening gliding surface (2) which passes into an auxiliary gliding surface (21), which then passes into a collecting groove (3). The collecting groove (3), which comprises an overflow surface (31), a transfer surface (32) and a defining surface (33) passes steplessly into the inner surface (4) of the bottom (5) of the spinning rotor. The bottom (5) of the spinning rotor comprises ventilation channels (6), which pass through from the inner surface (4) of the bottom (5) of the spinning rotor to the outer surface (7) of the bottom (5) of the spinning rotor. The bottom (5) of the spinning rotor also includes the ventilation grooves (8) that connect the spinning rotor cavity with the ventilation channels (6). To each ventilation channel (6) leads one ventilation groove (8), the front surface of which (81) is inclined to the plane perpendicular to the axis of rotor rotation and passes into the inner surface (4) of the bottom (5) of the spinning rotor near into the defining surface (33) of the collecting surface (3). Each ventilation groove (8) is displaced with respect to the axis of symmetry of its related ventilation channel (6) in the direction opposite to the rotor rotation.

IPC 1-7  
**D01H 4/10**

IPC 8 full level  
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Cited by  
CN104213296A; CN104213288A; CN104264295A; CN104213266A; CN104213294A; CN104213269A; CN104213291A; CN104264296A; CN104213270A; CN104213289A; CN104213293A; CN104264297A; CN104213290A; CN104264306A

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