

Title (en)

Open-end spinning machine and a rotor lid therefor

Title (de)

Offenend-Spinnvorrichtung sowie Rotordeckel

Title (fr)

Métier à filer à bout libre et un couvercle de rotor pour ledit métier

Publication

**EP 1178138 B1 20041103 (DE)**

Application

**EP 01116884 A 20010711**

Priority

DE 10038863 A 20000804

Abstract (en)

[origin: EP1178138A1] The rotor cover, at an open-end spinner, has a section with a larger gap between the rotor and the cover shoulder (3) which is formed by a recess (4). It is defined by a collar (40) on the side away from the rotor cover (2). The open-end spinning rotor cover has a section with a smaller gap between the yarn take-off tube (6) and the cover shoulder, formed by a recess defined by a collar on the side towards the rotor cover. The cover shoulder has a constant outer contour at the peripheral surface (30) of the recess section, defined by the collar, and the remainder of the shoulder periphery. The recess has a radial limit surface at the end towards the collar. The recess starts at a point 30-130 degrees after the outlet opening (50) of the fiber feed channel, in the direction (f) of rotor rotation. The recess extends in the peripheral direction of the cover shoulder so that it ends at an acute angle (  $\beta$  ) in front of the fiber feed channel outlet opening, in the direction of rotor rotation. The recess reaches as far as a projecting section of the fiber feed channel wall (51) at the radial surface (20) of the rotor cover. The recess is pitched at an angle against the mantle line of the cover shoulder, so that the start of the recess is aligned at the collar and its end is toward the rotor cover, in the direction of rotor rotation. The recess extends to the radial surface covering the open side of the spinning rotor at the rotor cover.

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