

Title (en)
Method and Device for renovating open-end spinning machine

Title (de)
Verfahren und Vorrichtung zur Wiederaufarbeitung von Offenend-Rotorspinnvorrichtungen

Title (fr)
Méthode et dispositif pour rénover des métiers à filer à bout libre

Publication
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Application
EP 01114610 A 20010619

Priority
DE 10046984 A 20000922

Abstract (en)
[origin: EP1191133A1] The bearing pedestal is dismantled and the thrust bearing is removed. A thrust bearing carrier is fitted with a bearing surface for an aerostatic thrust bearing. As the bearing carrier is secured, its alignment is adjusted at least partially by the mounting against the rotor shaft, supported by bearing disks. The separating and mating surfaces at the thrust bearing carrier match the arrangement of the bearing surface of the thrust bearing to the spinning rotor, and the bearing pedestal is reassembled at the spinner. To recondition an open-end spinner, the bearing pedestal is separated on a plane which is parallel to the plane of the rotor shaft support disks. The bearing pedestal is separated between the two planes formed by the two pairs of support disks, or at least partially at right angles to the plane of the support disks. The separation is at least partially by drilling or milling generally at right angles or generally parallel to the support disk plane. The separation can also be by material removal or cutting without metal removal. The separation surface at the bearing pedestal is machined to form a counter surface to set the bearing carrier at the bearing pedestal. The separation surface is fitted with a mounting for the bearing carrier as a threaded drilling. The thrust bearing carrier is mounted with a force fit. An Independent claim is included for the bearings (10) at an open-end spinning rotor, with the rotor shaft support disks and a bearing pedestal (11) which can be separated from the thrust bearing. The thrust bearing has a ball for the axial support of the rotor shaft. The thrust bearing carrier (4) has a holder (46) for a bearing surface (41) of a pneumatic thrust bearing (42). A fitting surface (45) presents the bearing surface to the spinning rotor, with the rotor shaft supported in the wedge gap between the support disks.

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