

Title (en)
OPEN END SPINNING MACHINE WITH AN INTERMEDIATE CHAMBER

Title (de)
OFFENENDSPINNVORRICHTUNG MIT EINER ZWISCHENKAMMER

Title (fr)
DISPOSITIF DE FILAGE À BOUT LIBRE D'UNE CHAMBRE INTERMÉDIAIRE

Publication
EP 2957662 B1 20190102 (DE)

Application
EP 15171887 A 20150612

Priority
DE 102014108526 A 20140617

Abstract (en)
[origin: US2015361593A1] In an open-end spinning device (1) of a rotor spinning machine (2) having a spinning rotor (3) with a rotor cup (4), in which fiber material (6) can be spun, and with a rotor shaft (5) through which the spinning rotor (1) can be driven, and a bearing (13) preferably arranged in a contactless way, with a drive, especially an individual drive (14), to drive the spinning rotor (3), with a rotor housing (15), in which the rotor cup (4) of the spinning rotor (3) is arranged and which is impinged with spinning negative pressure (pSU) during spinning operation through a negative pressure channel (16) of the open-end spinning device (1), and with a drive housing (17), in which the rotor shaft of the spinning rotor extends, and in which the drive and the bearing (13) of the spinning rotors are arranged, the rotor housing (15) and the drive housing (17) are arranged spaced apart from one another in the open-end spinning device (1) in axial direction of the rotor shaft (5). In a corresponding method to operate such an open-end spinning device (1) of a rotor spinning machine (2), the rotor housing (15) is impinged with spinning negative pressure (pSU) during the spinning operation. Air current is prevented from flowing from the rotor housing (15) into the drive housing (17) by arranging the rotor housing (15) and the drive housing (17) spaced apart from one another in the open-end spinning device (1) in an axial direction of the rotor shaft (5).

IPC 8 full level
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CPC (source: EP US)
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Cited by
EP3599298A1; CN110777454A

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