

Title (en)

Open-end spinning rotor with a rotor cup, a rotor shaft and a coupling device

Title (de)

Offenend-Spinnrotor mit einer Rotortasse, einem Rotorschafte sowie einer Kupplungsvorrichtung

Title (fr)

Rotor de métiers à filer à bout libre doté d'une coupelle de rotor, d'un arbre de rotor et d'un dispositif de couplage

Publication

**EP 2832903 B1 20161207 (DE)**

Application

**EP 14175954 A 20140707**

Priority

DE 102013108199 A 20130731

Abstract (en)

[origin: US2015033695A1] In an open-end spinning rotor with a rotor cup, and with a rotor shaft, through which the spinning rotor is supported in a bearing, the rotor shaft and the rotor cup are detachably connected to each other through a coupling device. The coupling device includes a positive-locking connection for the transmission of the turning moment between the rotor cup and the rotor shaft, along with a magnetic device for the axial connection of the rotor shaft and the rotor cup. The rotor shaft features at least one projection with a one turning moment-transmitting area, which engages in a recess of the rotor cup with a turning moment-transmitting counter-area. A socket for a permanent magnet is arranged on the rotor cup.

IPC 8 full level

**D01H 4/10** (2006.01)

CPC (source: CN EP US)

**D01H 4/10** (2013.01 - CN EP US); **D01H 4/12** (2013.01 - CN US)

Cited by

DE102018124947A1; EP3327187A1; CN108085801A; EP3636811A1

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