

Title (en)
Open-end spinning rotor

Title (de)
Offenend-Spinnrotor

Title (fr)
Rotor de filage à bout libre

Publication
EP 1156142 A1 20011121 (DE)

Application
EP 01102897 A 20010215

Priority
DE 10024020 A 20000516

Abstract (en)
The coupling (29) employs a magnetic assembly (30). This locates the rotor shaft (4) and cup (26) axially. A keying assembly (31) locks them together in rotation. Preferred features: The magnetic assembly comprises a permanent magnet (32) secured to the rotor shaft, attracting a ferromagnetic extension (33) of the cup (26). The permanent magnet is located in a rotationally-symmetrical housing (34) which is locked in rotation with the rotor shaft (4). The housing is press-fitted into its seat in the tubular rotor shaft (4). The keying (31) is polygonal (35) (hex). The housing includes a cylindrical guidance bore (37), surrounding the rotor cup extension (38) when installed.

Abstract (de)
Die Erfindung betrifft einen Offenend-Spinnrotor (3) der mit seinem Rotorschaft (4) in einer Spinnrotorlagerung (5) abgestützt ist und dessen Rotorschaft (4) mit einer Rotortasse (26) über eine Kupplungsvorrichtung (29) so lösbar verbunden ist, daß der Rotorschaft (4) bei einem Ausbau der Rotortasse (26) in der Spinnrotorlagerung (5) eingebaut bleibt. Erfindungsgemäß ist dabei vorgesehen, daß die Kupplungseinrichtung (29) eine Magneteinrichtung (30) zur axialen Arretierung von Rotorschaft (4) und Rotortasse (26) sowie eine mechanische Verdrehsicherung (31) umfaßt.
<IMAGE>

IPC 1-7
D01H 4/10

IPC 8 full level
D01H 4/10 (2006.01)

CPC (source: EP US)
D01H 4/10 (2013.01 - EP US); **Y10S 403/01** (2013.01 - EP US); **Y10T 403/7098** (2015.01 - EP US)

Citation (search report)
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