

Title (en)
Open-end spinning rotor

Title (de)
Offenend-Spinnrotor

Title (fr)
Rotor de filage à bout libre

Publication
EP 1156142 B1 20040421 (DE)

Application
EP 01102897 A 20010215

Priority
DE 10024020 A 20000516

Abstract (en)
[origin: EP1156142A1] 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.

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)

Cited by
DE102016122595A1; EP2730686A1; DE102012022092A1; EP2907903A1; DE102014002102A1; DE102013108199A1; DE102014108526A1; US9670602B2; CN103245333A; CN104846489A; EP3249085A3; DE102018007453A1; DE102019129499A1; WO2007079794A1; EP2657379A2; DE102012008693A1; US8875482B2; EP3153611B1; EP2832903A1; EP3153611A1; WO2021083985A1; EP2957662A1; US9771670B2; EP3626870A1; EP2730686B1; EP1966421B2

Designated contracting state (EPC)
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