Title (en)
Open-end spinning rotor

Title (de)
Offenend-Spinnrotor

Title (fr)
Rotor de filage à bout libre

Publication
EP 0808923 B1 20020904 (DE)

Application
EP 97104252 A 19970313

Priority
DE 19621190 A 19960525

Abstract (en)
[origin: EP0808923A1] The coupling (3) between the rotor pot of an open end spinner, and the carrier, is a clip bond which holds part of the rotor pot (11) and part of the carrier (12). At least part of the clip bonding is taken up by an elastic component (2). Preferably the elastic component (2) is damped, and is in a ring round the clip coupling (3) at the carrier (12) which has a slit, or a number of slits, to increase the distortion which can be applied to it. The rotor pot (11) has a ring groove (32) as part of the clip coupling. The carrier (12) has a hub (121) structure to be pressed on a rotor shaft (13). The elastic component (2) is firmly bonded to the hub (121). The carrier (12) is an electrical mounting and drive motor, with a limit stop (4) for the rotor pot formed by the elastic component (2). The rotor pot (11) has a counter surface to work with the limit stop (4). The elastic component (2) is of plastics and pref. an elastomer. At least part of the clip coupling is of an aluminium alloy or is an injection moulded component. The clip coupling (3) gives a shaped fit between the rotor shaft (13) and the carrier (12) round the circumference.

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)

Cited by
DE102012022092A1; EP2657379A3; EP1156142A1; DE102009048295A1; EP2730686A1

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EP 0808923 A1 19971126; **EP 0808923 B1 20020904**; CZ 117097 A3 19971217; CZ 289453 B6 20020116; DE 19621190 A1 19971127; DE 59708104 D1 20021010; SK 56297 A3 19971210; US 5802838 A 19980908

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EP 97104252 A 19970313; CZ 117097 A 19970417; DE 19621190 A 19960525; DE 59708104 T 19970313; SK 56297 A 19970502; US 84040897 A 19970729