

Title (en)
Connection of rotating elements

Title (de)
Verbindung von rotierenden Bauteilen

Title (fr)
Connexion d' éléments rotatifs

Publication
EP 0893576 A3 19991208 (DE)

Application
EP 98810441 A 19980514

Priority
DE 19728345 A 19970703

Abstract (en)
[origin: EP0893576A2] The positive engagement occurs via a staged centering seat (3) and the forced locking between the two parts takes place by means of axially pre-tensioned components. At least one of the component parts has an internal hollow space (6). In the hollow space an inlay ring (7) is arranged, which during operation exerts a radial force on the centering seat (3). The inlay ring (7) locates only with a part of its axial extent on the component part (1) working in conjunction with it. The inlay ring is pre-tensioned. The installation of the inlay ring occurs by thermal shrinkage. The centering part (4, 5) of the centering seat (3) is at least slightly cylindrical or conical.

IPC 1-7
F01D 5/02; F01D 5/06

IPC 8 full level
F01D 5/02 (2006.01); **F01D 5/06** (2006.01); **F16D 1/06** (2006.01)

CPC (source: EP US)
F01D 5/025 (2013.01 - EP US); **F01D 5/026** (2013.01 - EP US); **F01D 5/066** (2013.01 - EP US); **F05D 2230/642** (2013.01 - EP US); **Y10T 403/21** (2015.01 - EP US); **Y10T 403/217** (2015.01 - EP US); **Y10T 403/48** (2015.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)
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DE 19728345 A1 19990107; DE 59810313 D1 20040115; EP 0893576 A2 19990127; EP 0893576 A3 19991208; EP 0893576 B1 20031203; JP H1172002 A 19990316; US 6126357 A 20001003; US 6276863 B1 20010821

DOCDB simple family (application)
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