

Title (en)

DEVICE FOR FIXING A ROTOR TO A DRIVE SHAFT

Title (de)

VORRICHTUNG ZUR FIXIERUNG EINES ROTORS AUF EINER ANTRIEBSWELLE

Title (fr)

DISPOSITIF DE FIXATION D'UN ROTOR SUR UN ARBRE D'ENTRAINEMENT

Publication

EP 0845086 A1 19980603 (DE)

Application

EP 97925053 A 19970606

Priority

- DE 19623684 A 19960614
- EP 9702934 W 19970606

Abstract (en)

[origin: DE19721335A1] An assembly secures a rotor (1) to a drive shaft which is coupled to a motor. The shaft end in immediate contact with the rotor is of conical shape. A cylindrical collet around the shaft end is of symmetrical shape with parallel slits from the edge along the main axis. The collet inner face is conical to fit around the shaft end, with the end face (9) resting against the drive shaft with a collet pin (12) driven axially into the shaft. An axially directed spring (11) is located between the collet end face and collet pin. A friction element (15) is interposed between the axial end stop (5) and rotor.

IPC 1-7

F16D 1/09; B04B 9/08

IPC 8 full level

B04B 9/08 (2006.01); **F16D 1/091** (2006.01); **F16D 1/097** (2006.01)

CPC (source: EP)

B04B 9/08 (2013.01); **F16D 1/097** (2013.01); **B04B 2009/085** (2013.01)

Citation (search report)

See references of WO 9747893A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

DE 19721335 A1 19971218; **DE 19721335 C2 19990729**; CA 2229377 A1 19971218; EP 0845086 A1 19980603; WO 9747893 A1 19971218

DOCDB simple family (application)

DE 19721335 A 19970522; CA 2229377 A 19970606; EP 9702934 W 19970606; EP 97925053 A 19970606