

Title (en)

BEARING FOR AMBIVALENT CENTRIFUGAL PUMP

Publication

**EP 0009449 B1 19820505 (FR)**

Application

**EP 79400651 A 19790918**

Priority

FR 7827164 A 19780922

Abstract (en)

[origin: EP0009449A1] 1. Multiple cell centrifugal pump comprising within a pump casing formed by a single block at least two stackable pump elements which are driven by an electric motor cooled by the circulation of the fluid fed by the pump, in which the stackable pump elements are mounted at the ends of the shaft driven by the motor on either side of the said motor, and in which the pump casing includes in the motor section at least one conduit (14) communicating the front cell (13') to the rear cell (13) of the pump and being provided for the circulation of the supplied fluid having the function to cool the motor and to lubricate the bearings (D) thereof, and in which each of the bearings (D) of the drive motor includes at least one shaft bushing (8), one bearing shell (10) and a stop member (29), characterized in that - the shaft bushing (8) is driven by a position shaft clutch, - the bearing shell (10) cooperates with the stop member (29) which is carried by a stop retainer (9), and - the stop member (29) may be rotatably driven and is provided with means for self-alignment.

IPC 1-7

**F04D 29/04**; F04D 29/58; F04D 13/06; F04D 1/06

IPC 8 full level

**F04D 1/06** (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP)

**F04D 1/06** (2013.01); **F04D 13/06** (2013.01); **F04D 29/5806** (2013.01)

Cited by

DE3014103A1; GB2414278A; GB2244095A; EP0719941A1; JP2015089697A; DE3239601A1; DE3539883A1; EP0747599A1; US5494418A; WO0120168A1; WO2006021560A1

Designated contracting state (EPC)

FR IT

DOCDB simple family (publication)

**EP 0009449 A1 19800402**; **EP 0009449 B1 19820505**; DK 394179 A 19800323; ES 484345 A1 19800516; FR 2436898 A1 19800418; FR 2436898 B1 19820514

DOCDB simple family (application)

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