

Title (en)

Centrifugal compressor wheel and its mounting on a shaft.

Title (de)

Laufrad eines Zentrifugalkompressors und seine Montage an der Welle.

Title (fr)

Roue de compresseur centrifuge et son montage sur l'arbre.

Publication

EP 0138516 A1 19850424 (EN)

Application

EP 84306755 A 19841004

Priority

US 54012283 A 19831007

Abstract (en)

A centrifugal compressor apparatus including a bearing housing rotatably receiving a shaft having an externally threaded end, a cover mounted to the bearing housing to define an impeller chamber, an impeller received within the chamber, the impeller including a hub which is solid in the area of the blades and having a boss extending therefrom which includes an internally-threaded bore within which the threaded end of the shaft is received.

IPC 1-7

F04D 29/28; **F01D 5/06**

IPC 8 full level

F01D 5/02 (2006.01); **F04D 29/28** (2006.01)

CPC (source: EP)

F01D 5/025 (2013.01); **F04D 29/266** (2013.01); **F04D 29/284** (2013.01)

Citation (search report)

- [X] US 3961867 A 19760608 - WOOLLENWEBER WILLIAM E
- [Y] US 4340317 A 19820720 - HEITMANN ARNOLD M, et al
- [A] GB 655880 A 19510808 - BRITISH THOMSON HOUSTON CO LTD
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Cited by

US4747759A; CN101542088A; CN113557362A; CN100400889C; CN102828993A; EP2535592A3; GB2177161A; GB2177161B; US8801379B2; US7040867B2; EP1312769B1; WO2004015273A1; WO9106749A1

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