

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

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