

Title (en)  
Impellers and diffusers for fans and compressors

Title (de)  
Lauf- und Leiträder für Verdichter und Ventilatoren

Title (fr)  
Roues et diffuseurs pour ventilateurs et compresseurs

Publication  
**EP 1447568 A3 20051026 (DE)**

Application  
**EP 04000093 A 20040107**

Priority  
DE 10302773 A 20030117

Abstract (en)  
[origin: US2004184914A1] Impeller and stator for use in a fluid machine and consisting, for reducing flow noise and for improving the stability of the characteristic curve between the flow input and output cross-sections, of a solid material matrix with a plurality of flow channels for deflecting the flow and increasing the pressure.

IPC 1-7  
**F04D 29/02**

IPC 8 full level  
**F04D 29/30** (2006.01); **F04D 29/38** (2006.01); **F04D 29/54** (2006.01); **F04D 29/70** (2006.01)

CPC (source: EP US)  
**F04D 29/30** (2013.01 - EP US); **F04D 29/38** (2013.01 - EP US); **F04D 29/54** (2013.01 - EP US)

Citation (search report)

- [A] US 5584656 A 19961217 - ROSE MITCHELL [US]
- [DA] DE 174180 A
- [DA] CH 409225 A 19660315 - JUNKER & RUH AG [DE]
- [DA] GB 2065773 A 19810701 - ROLLS ROYCE
- [XA] PATENT ABSTRACTS OF JAPAN vol. 2002, no. 07 3 July 2002 (2002-07-03)
- [XA] PATENT ABSTRACTS OF JAPAN vol. 016, no. 026 (M - 1202) 22 January 1992 (1992-01-22)
- [A] PATENT ABSTRACTS OF JAPAN vol. 2002, no. 11 6 November 2002 (2002-11-06)

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