

Title (en)  
Diffuser for compressor

Title (de)  
Verdichterdiffusor

Title (fr)  
Diffuseur pour compresseur

Publication  
**EP 1574667 A1 20050914 (DE)**

Application  
**EP 04004895 A 20040302**

Priority  
EP 04004895 A 20040302

Abstract (en)  
The input region (4) of the diffuser (1) has a connection piece (3) immediately following guide blades (8) at the turbine exit. The diffuser has a modified circular cross-section (7) with an internal tapered rib (5). The thickest part (6) of the rib is in the narrowest part of the diffuser. The diffuser housing (2) gradually increases in inside diameter with distance from the turbine outlet.

Abstract (de)  
Es wird eine Gasturbine mit einem am Ausgang ihres Verdichters angeordneten Diffusor (1) mit einem Diffusorgehäuse (2), angegeben, wobei das Diffusorgehäuse (2) in einem Anschlussbereich (3) zum Anschluss an die Gasturbine eine den Innenradius des Gehäuses (2) verringernde Einschnürung (5) aufweist. <IMAGE>

IPC 1-7  
**F01D 5/14**; **F01D 9/02**; **F01D 25/30**

IPC 8 full level  
**F01D 5/14** (2006.01); **F01D 9/02** (2006.01); **F01D 25/30** (2006.01); **F04D 29/54** (2006.01)

CPC (source: EP)  
**F04D 29/541** (2013.01)

Citation (search report)

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