

Title (en)  
RADIAL COMPRESSOR ROTOR

Title (de)  
RADIALVERDICHTER-LAUFRAD

Title (fr)  
ROUE MOBILE DE COMPRESSEUR RADIAL

Publication  
**EP 1948939 A1 20080730 (DE)**

Application  
**EP 06807648 A 20061030**

Priority  
• EP 2006067919 W 20061030  
• EP 05025048 A 20051116  
• EP 06807648 A 20061030

Abstract (en)  
[origin: EP1788255A1] The impeller has a wheel disc (12) and blades (14) with a leading edge (16) and a trailing edge (18) that are arranged in a circumferential direction. A partial area of a surface of the blades is a dual-curved partial area (26), whose generatrix (24a) is formed as curved lines, where the partial area is curved perpendicular to the generatrix. A transfer of the dual curved partial area is continuous to a standard surface partial area (28). The blades have a hub edge (20) and an outer edge (22), where the partial areas (26, 28) abut at the outer edge and the hub edge, respectively. An independent claim is also included for a method for manufacturing a radial compressor impeller.

IPC 8 full level  
**F04D 29/30** (2006.01); **F04D 29/28** (2006.01)

CPC (source: EP NO US)  
**F04D 29/284** (2013.01 - EP NO US); **F04D 29/30** (2013.01 - EP NO US); **Y10T 29/49321** (2015.01 - EP NO US)

Citation (search report)  
See references of WO 2007057292A1

Cited by  
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DOCDB simple family (publication)  
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DE 502006005551 D1 20100114; EP 1948939 A1 20080730; EP 1948939 B1 20091202; ES 2336371 T3 20100412; NO 20082659 L 20080808;  
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