

Title (en)  
Radial fan for a gas burner

Title (de)  
Radialgebläse für einen Gasbrenner

Title (fr)  
Ventilateur radial pour un brûleur à gaz

Publication  
**EP 1528259 B1 20061129 (DE)**

Application  
**EP 03400066 A 20031031**

Priority  
EP 03400066 A 20031031

Abstract (en)  
[origin: EP1528259A1] The radial fan for a gas burner has an impeller (15) with side walls (12) covering its axial ends. A partition (23) is installed one of the side walls and divides the inner cavity of the impeller into a first (V1) and a second suction chamber. The first suction chamber has a suction opening for outside air, and a feed opening for direct combustion feed is located close to the suction opening in the vacuum region of the first suction chamber. A sealing device is provided in the lead-through for the drive shaft, and for drawing off gas residual volumes reaching through the sealing device a suction line extends into a vacuum region of the first suction chamber.

IPC 8 full level  
**F04D 29/42** (2006.01); **F04D 17/04** (2006.01); **F04D 29/10** (2006.01)

CPC (source: EP)  
**F04D 27/001** (2013.01); **F04D 29/102** (2013.01); **F04D 29/4213** (2013.01); **F23D 14/36** (2013.01); **F05D 2260/6022** (2013.01); **F05D 2270/301** (2013.01)

Cited by  
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DE FR IT NL

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