

Title (en)  
Flow director for a fan

Title (de)  
Strömungsgleichrichter für einen Ventilator

Title (fr)  
Appareil d'homogénéisation d'un courant pour un ventilateur

Publication  
**EP 1895166 B1 20090211 (DE)**

Application  
**EP 06018108 A 20060830**

Priority  
EP 06018108 A 20060830

Abstract (en)  
[origin: EP1895166A1] The rectifier has a conically narrowed nozzle ring (1) provided in an inner side of an inflow side to an outflow side. A concentric retaining seal unit (3) for a fan motor is arranged in the ring. A set of air guiding blades (2) extends radially between the ring and the seal unit. The blades are integrally connected with the ring and the seal unit and receive an axial partial area of the ring. A retaining arm for a fan wheel lies upstream of the blades within an area enclosed by the ring. A protective grid (7) lies on the outflow side and connected with the ring.

IPC 8 full level  
**F04D 29/54** (2006.01); **F04D 29/52** (2006.01); **F04D 29/70** (2006.01)

CPC (source: EP)  
**F04D 29/526** (2013.01); **F04D 29/542** (2013.01); **F04D 29/703** (2013.01)

Cited by  
EP2314882A1; US2018058477A1; CN106495252A; DE202013100139U1; DE102012106701B4; DE102018128824A1; DE102009032207B4; DE102017007370A1; CN103541915A; DE102016002997A1; US12006950B1; CN107850085A; US10746194B2; CN102374178A; EP2418388A3; US9932990B2; EP2778432A1; CN105102825A; WO2016120184A1; WO2013143671A1; WO2014139959A1; US12006947B2; US11168899B2; US11226114B2; WO2020099033A1; DE202009014212U1; US9103352B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 1895166 A1 20080305**; **EP 1895166 B1 20090211**; AT E422619 T1 20090215; DE 502006002832 D1 20090326

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