

Title (en)  
Composite material centrifugal fan rotor

Title (de)  
Radiallüfterrad aus Verbundwerkstoff

Title (fr)  
Roue de ventilation centrifuge en matériaux composites

Publication  
**EP 0942174 B1 20031015 (FR)**

Application  
**EP 99420068 A 19990311**

Priority  
FR 9803208 A 19980311

Abstract (en)  
[origin: EP0942174A1] A centrifugal or helico-centrifugal ventilator wheel has a series of blades (3) fixed in place on a supporting structure with two or more coaxial discs (2A,2B) and reinforcing rings (21A,21B) of wound filaments. Each of the discs contains a core layer (5) of a material offering high resistance to compression sandwiched between inner (6A,6B) and outer (7A,7B) skins of a composition material such as multilayer fabric of impregnated synthetic fibers.

IPC 1-7  
**F04D 29/02**; **F04D 29/28**

IPC 8 full level  
**F04D 29/02** (2006.01); **F04D 29/28** (2006.01)

CPC (source: EP US)  
**F04D 29/023** (2013.01 - EP US); **F04D 29/281** (2013.01 - EP US); **F05D 2260/37** (2013.01 - EP); **F05D 2300/43** (2013.01 - EP US); **F05D 2300/603** (2013.01 - EP US); **F05D 2300/612** (2013.01 - EP US)

Cited by  
FR2830579A1; AU2002362790B2; CN110469528A; US6976828B2; WO03031824A1; WO2009072892A3; US8342809B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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DOCDB simple family (application)  
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