

Title (en)  
HOUSING FOR PADDLE FAN

Title (de)  
GEHÄUSE FÜR SCHAUFELLÜFTER

Title (fr)  
CORPS DE VENTILATEUR A PALES

Publication  
**EP 1979687 A4 20111214 (EN)**

Application  
**EP 07710222 A 20070119**

Priority  
• US 2007060763 W 20070119  
• US 76643206 P 20060119

Abstract (en)  
[origin: WO2007084980A2] Air turnover in a space achieved by a paddle fan having a plurality of blades is significantly increased by mounting an assembly radially outward from the blades. The assembly has a generally vertical shroud that is substantially impervious to air flow and a directing grid attached to the shroud at a lower end thereof. The directing grid has a plurality of intersecting members to reduce cross-sectional flow area and induce laminar air flow therethrough.

IPC 8 full level  
**F24F 7/007** (2006.01); **F04D 25/08** (2006.01); **F04D 29/54** (2006.01)

CPC (source: EP US)  
**F04D 25/088** (2013.01 - EP US); **F04D 29/547** (2013.01 - EP US); **F24F 7/007** (2013.01 - EP US); **F24F 2013/205** (2013.01 - EP US); **F24F 2221/14** (2013.01 - EP US)

Citation (search report)  
• [XYI] US 4657485 A 19870414 - HARTWIG RICHARD K [US]  
• [Y] US 6257502 B1 20010710 - HANISH BARRY N [US], et al  
• [Y] US 4750863 A 19880614 - SCOGGINS GLENN [US]  
• [Y] US 4730551 A 19880315 - PELUDAT WALTER W [US]  
• [A] US 5094676 A 19920310 - KARBACHER MICHAEL H [US]  
• [A] EP 0543368 A1 19930526 - VORTICE ELETTROSOCIALI SPA [IT]  
• [A] US 6955596 B1 20051018 - WALKER KEITH LLOYD [CA], et al  
• See references of WO 2007084980A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2007084980 A2 20070726; WO 2007084980 A3 20080110**; CA 2637807 A1 20070726; CA 2637807 C 20140805; EP 1979687 A2 20081015; EP 1979687 A4 20111214; US 2010143112 A1 20100610

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**US 2007060763 W 20070119**; CA 2637807 A 20070119; EP 07710222 A 20070119; US 16107407 A 20070119