

Title (en)

ONE PIECE SYNTHETIC MATERIAL FAN IMPELLER

Publication

**EP 0182145 B1 19900307 (DE)**

Application

**EP 85113621 A 19851025**

Priority

DE 3441077 A 19841109

Abstract (en)

[origin: US4639193A] A single-piece plastic fan wheel for a radial fan comprises a hub, a blade ring having fan blades and an intermediate piece interconnecting the hub and the blade ring. The hub comprises an inner hub ring attachable to the drive shaft of a motor and an outer hub ring connected to the inner hub ring by a plurality of axially and radially extending resilient strips which serve to damp tangential vibrations emanating from the motor owing to pulsations in the torque output thereof.

IPC 1-7

**F04D 29/28**

IPC 8 full level

**F04D 29/28** (2006.01)

CPC (source: EP US)

**F04D 29/281** (2013.01 - EP US)

Cited by

EP0304080A3; DE102006038655A1; DE102010028099A1; DE19907910C2; WO2010075844A2; DE102008062432A1; EP2451054A2; EP2451055A2; US8421283B2; US8884477B2

Designated contracting state (EPC)

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**EP 0182145 A1 19860528; EP 0182145 B1 19900307; EP 0182145 B2 19940309**; AT E50836 T1 19900315; DE 3576391 D1 19900412; JP S61116097 A 19860603; US 4639193 A 19870127

DOCDB simple family (application)

**EP 85113621 A 19851025**; AT 85113621 T 19851025; DE 3576391 T 19851025; JP 24867885 A 19851106; US 78239985 A 19851001