

Title (en)  
A rotary fan

Title (de)  
Drehlüfter

Title (fr)  
Ventilateur rotatif

Publication  
**EP 2853750 A1 20150401 (EN)**

Application  
**EP 13306348 A 20130930**

Priority  
EP 13306348 A 20130930

Abstract (en)  
A rotary fan comprising a rotor and a fan support structure. The rotor comprises a plurality of permanent magnets located along a circumference of the rotor and a plurality of fan blades. The support structure comprises a plurality of electromagnets. At least some of the plurality of electromagnets are configured to cause the rotor to rotate when powered by an alternating electric current.

IPC 8 full level  
**F04D 25/06** (2006.01)

CPC (source: EP)  
**F04D 25/066** (2013.01)

Citation (search report)  
• [X] US 2004086394 A1 20040506 - KOHONEN REIJO [FI], et al  
• [X] NL 9401288 A 19960301 - ABB LUMMUS HEAT TRANSFER [NL]  
• [X] US 2003123226 A1 20030703 - CHEN CHIEN-JUNG [TW]  
• [X] "SEMIPERMANENT LIFE AND LOW-ACOUSTIC NOISE AIR-MOVING DEVICE WITH SEPARATION OF ROTOR AND STATOR", IBM TECHNICAL DISCLOSURE BULLETIN, INTERNATIONAL BUSINESS MACHINES CORP. (THORNWOOD), US, vol. 40, no. 2, 1 February 1997 (1997-02-01), pages 95/96, XP000692184, ISSN: 0018-8689

Cited by  
US2017254335A1; EP3214314A1; US10612552B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2853750 A1 20150401; EP 2853750 B1 20190619**

DOCDB simple family (application)  
**EP 13306348 A 20130930**