

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

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US2017254335A1; EP3214314A1; US10612552B2

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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

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