

Title (en)
Compact diagonal fan

Title (de)
Kompakter Diagonallüfter

Title (fr)
Ventilateur diagonal compact

Publication
EP 1538340 A3 20050713 (DE)

Application
EP 04027609 A 20041120

Priority
DE 10357289 A 20031205

Abstract (en)
[origin: EP1538340A2] The diagonal fan has an electric motor driven impeller (14), with the electric motor mounted in the fan housing (10) by means of ribs (16) extending radially outwards. The ribs are located in the region of the air inlet opening (19) of an annular flow passage (18) defined by the impeller hub (12) and air ducting encompassing the impeller. The blades (13) of the impeller are fastened in the region of the largest diameter of the hub. The impeller is located in the region of the air outlet opening (20) of the flow passage.

IPC 1-7
F04D 25/08; **F04D 17/06**

IPC 8 full level
F04D 23/00 (2006.01); **F04D 17/06** (2006.01); **F04D 25/06** (2006.01); **F04D 25/08** (2006.01); **F04D 29/32** (2006.01); **F04D 29/52** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP US)
F04D 17/06 (2013.01 - EP US); **F04D 25/0606** (2013.01 - EP US)

Citation (search report)

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- [A] WO 0183994 A1 20011108 - VERAX VENTILATOREN GMBH [DE], et al

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CN105351225A

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

DOCDB simple family (publication)
EP 1538340 A2 20050608; **EP 1538340 A3 20050713**; DE 10357289 A1 20050707; JP 2005171987 A 20050630; US 2005123399 A1 20050609

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EP 04027609 A 20041120; DE 10357289 A 20031205; JP 2004309098 A 20041025; US 99627904 A 20041123