

Title (en)
Blower

Title (de)
Gebläse

Title (fr)
Soufflante

Publication
EP 1503084 B1 20070117 (DE)

Application
EP 03027515 A 20031128

Priority
DE 10334812 A 20030730

Abstract (en)
[origin: EP1503084A1] The fan arrangement (10) has a rotor with a semicircular-section circular groove near its periphery, containing radial vanes. There is a semicircular-section circular groove (14) in the fixed fan housing (12), cooperating with the groove in the rotor to make a circular-section channel. There may be a single barrier in a region (30) between the air inlet (34) and the air outlet (26). A pressure relief channel (36) runs from an intake (38) near the outlet to an outlet (40) near the inlet.

IPC 8 full level
F04D 23/00 (2006.01)

CPC (source: EP)
F04D 23/008 (2013.01); **F04D 29/161** (2013.01)

Cited by
WO2009059718A1

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

DOCDB simple family (publication)
EP 1503084 A1 20050202; EP 1503084 B1 20070117; AT E351982 T1 20070215; DE 10334812 A1 20050303; DE 50306312 D1 20070308

DOCDB simple family (application)
EP 03027515 A 20031128; AT 03027515 T 20031128; DE 10334812 A 20030730; DE 50306312 T 20031128