

Title (en)
Axial fan.

Title (de)
Axiallüfter.

Title (fr)
Ventilateur axial.

Publication
EP 0546361 B1 19950906 (DE)

Application
EP 92119783 A 19921120

Priority
DE 4140987 A 19911212

Abstract (en)
[origin: EP0546361A1] An impeller is described for the fan of an automobile motor, in which the vanes in the inner radial region (15) adjoining the hub (2) are shaped identically and are distributed uniformly on the hub circumference, while in an outer radial region (16), which starts at a radial distance of approximately one third of the vane length (1) from the hub outwards, they are asymmetric and are disposed so as to be unevenly distributed. This design results in a high capacity, but avoids undesirable rotation-induced sound. <IMAGE>

IPC 1-7
F04D 29/32

IPC 8 full level
F04D 29/32 (2006.01)

CPC (source: EP)
F04D 29/325 (2013.01)

Citation (examination)
PATENT ABSTRACTS OF JAPAN vol. 14, no. 235 (M - 975)<4178> 18 May 1990 (1990-05-18)

Cited by
CN107218249A; US2016090899A1; US9739195B2; GB2302141A; GB2302141B; WO2011032867A1; WO2024146853A1

Designated contracting state (EPC)
DE ES FR IT

DOCDB simple family (publication)
EP 0546361 A1 19930616; EP 0546361 B1 19950906; DE 4140987 A1 19930617; DE 59203578 D1 19951012; ES 2076655 T3 19951101

DOCDB simple family (application)
EP 92119783 A 19921120; DE 4140987 A 19911212; DE 59203578 T 19921120; ES 92119783 T 19921120