

Title (en)

A cross-flow fan and an air-conditioner using it

Title (de)

Querstromlüfter und damit versehene Klimaanlage

Title (fr)

Ventilateur à courant transversal et climatiseur l'utilisant

Publication

EP 0947708 B1 20050202 (EN)

Application

EP 99106442 A 19990329

Priority

JP 8327898 A 19980330

Abstract (en)

[origin: EP0947708A2] A number of vanes 12 are disposed in a peripheral direction of a plurality of supporting disks disposed along a rotary shaft 14 at given intervals. Each vane 12 is disposed at an angular interval as determined by a logistic representation. Thereby the intensity and variations of noise levels at around 8N on the low-frequency side, as well as the noise level caused by rotary first-order sounds, can be reduced. <IMAGE>

IPC 1-7

F04D 29/66; **F04D 29/28**

IPC 8 full level

F04D 29/28 (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP KR)

F04D 29/283 (2013.01 - EP); **F04D 29/666** (2013.01 - EP); **F24F 13/00** (2013.01 - KR)

Cited by

CN114060302A; CN110857701A; EP1119082A3

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0947708 A2 19991006; **EP 0947708 A3 20010307**; **EP 0947708 B1 20050202**; DE 69923490 D1 20050310; DE 69923490 T2 20060216; KR 100545985 B1 20060125; KR 19990078295 A 19991025; TW 377393 B 19991221

DOCDB simple family (application)

EP 99106442 A 19990329; DE 69923490 T 19990329; KR 19990010457 A 19990326; TW 88103800 A 19990312