

Title (en)

Variable-geometry fan and method for control thereof

Title (de)

Gebläse mit variabler Geometrie und Steuerverfahren dafür

Title (fr)

Ventilateur à géométrie variable et son procédé de commande

Publication

EP 2587070 A2 20130501 (EN)

Application

EP 12188624 A 20121016

Priority

IT TO20110986 A 20111028

Abstract (en)

A variable-geometry fan, in particular for cooling the lubricant of an internal-combustion engine, comprising a hub (1) bearing a ring of blades (2) having an elastically deformable structure and incorporating laminas (11) made of a shape-memory alloy. The application of thermal energy to the laminas (11), so as to vary the geometry of the blades (2), envisages circulation of a hot fluid and of a cold fluid through internal ducts (9) of the blades (2).

IPC 8 full level

F04D 29/36 (2006.01); **F04D 29/38** (2006.01)

CPC (source: EP US)

F04D 29/36 (2013.01 - EP US); **F04D 29/382** (2013.01 - EP US)

Citation (applicant)

EP 2078865 A2 20090715 - ROSATI FLII S R L [IT]

Cited by

CN107165861A

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DOCDB simple family (publication)

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