

Title (en)
Ventilator with ventilator blade

Title (de)
Lüfter mit Lüfterflügel

Title (fr)
Ventilateur doté d'ailettes

Publication
EP 2055963 A2 20090506 (DE)

Application
EP 08166172 A 20081009

Priority
DE 102007052450 A 20071102

Abstract (en)
The ventilator has ventilator blades (2) fastened to a shaft or a hub part, where the ventilator is used in a turbo machine operating at speed of 3600 revolutions per minute. The blades are arranged in the form of a bayonet connection with a locking device e.g. fixing screw, to the shaft or the hub part, where the ventilator blades are angle-adjustable. The ventilator blades form a material compound representing a material meshwork or a chemical compound, where the material meshwork contains carbon fibers and Kevlar fibers.

Abstract (de)
Lüfter (1), der einzelne an einer Welle (3) oder einem Nabenteil (5) befestigbare Lüfterflügel (2) aufweist, wobei der Lüfter (1) insbesondere für den Einsatz in Turbomaschinen mit Drehzahlen ab 3600 Umdrehungen pro Minute einsetzbar ist, wobei die einzelnen Lüfterflügel (2) in Form einer Bajonettverbindung (20) mit Verdrehsicherung an der Welle (3) oder dem Nabenteil (5) angeordnet sind.

IPC 8 full level
F04D 29/36 (2006.01); **F04D 29/64** (2006.01)

CPC (source: EP)
F04D 29/36 (2013.01); **F04D 29/646** (2013.01)

Cited by
CN109477494A; CN106704268A; CN106194830A; CN115163557A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2055963 A2 20090506; **EP 2055963 A3 20130703**; DE 102007052450 A1 20090507

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