

Title (en)

RADIAL TURBINE AND METHOD FOR OPERATING A RADIAL TURBINE

Title (de)

SEITENKANALVERDICHTER SOWIE VERFAHREN ZUM BETREIBEN EINES SEITENKANALVERDICHTERS

Title (fr)

COMPRESSEUR À CANAL LATÉRAL ET PROCÉDÉ DE FONCTIONNEMENT ASSOCIÉ

Publication

**EP 2132445 A1 20091216 (DE)**

Application

**EP 08718330 A 20080328**

Priority

- EP 2008053758 W 20080328
- DE 102007015777 A 20070330
- DE 102007060111 A 20071213

Abstract (en)

[origin: WO2008119769A1] The invention relates initially to a method for operating a radial turbine (1) with at least two side channels (3 to 3'') to which blower blade wheels (4, 4'), disposed on the same shaft (5), are assigned, with at least two air inlet ducts (7 to 7'') and at least two air outlet ducts (8 to 8''). The invention further relates to a radial turbine (1) with at least two side channels (3 to 3'') to which blower blade wheels (4, 4'), disposed on the same shaft (5), are assigned, with at least two air inlet ducts (7 to 7'') and at least two air outlet ducts (8 to 8''). In order to indicate an advantageous radial turbine which has a simple structure and which can be operated in a simplified manner, and an advantageous method for operating such a radial turbine, the technical method is proposed that for the multistep and/or multi-flow operation of the radial turbine (1), the air inlet ducts (7 to 7'') and the air outlet ducts (8 to 8'') are switched over by means of a separate switching unit (9). According to the invention, the problem is solved in that the air inlet ducts (7 to 7'') and the air outlet ducts (8 to 8'') can be switched for switching between a multistep operation and/or a multi-flow operation.

IPC 8 full level

**F04D 23/00** (2006.01)

CPC (source: EP)

**F04D 23/008** (2013.01)

Citation (search report)

See references of WO 2008119769A1

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

DOCDB simple family (publication)

**WO 2008119769 A1 20081009**; DE 112008000470 A5 20100506; EP 2132445 A1 20091216

DOCDB simple family (application)

**EP 2008053758 W 20080328**; DE 112008000470 T 20080328; EP 08718330 A 20080328