

Title (en)  
Radial turbomachine

Title (de)  
Strömungsmaschine radialer Bauart

Title (fr)  
Turbomachine radiale

Publication  
**EP 1128025 A3 20030102 (DE)**

Application  
**EP 01100423 A 20010108**

Priority  
DE 10009099 A 20000225

Abstract (en)  
[origin: EP1128025A2] The flow machine has an adjustable conductor (2) with a guide blade (5) and an adjustment mechanism and a running wheel (3) with a casing (4). The guide blade is formed with a twist and is supported on one side to rotate about a pin (6) but remain axially fixed in a sliding ring (7). The sliding ring is concentric to the running axis (9) of the running wheel and can slide axially on it. The guide blade is guided on the other side in recesses of a slit ring, so that when the sliding ring slides axially, the guide blade rotates about the pin, because of its twisted shape.

IPC 1-7  
**F01D 17/14**; F01D 17/16; F02C 6/12

IPC 8 full level  
**F01D 17/16** (2006.01)

CPC (source: EP)  
**F01D 17/165** (2013.01); **F05D 2220/40** (2013.01)

Citation (search report)

- [A] US 5452986 A 19950926 - OSBORNE COLIN [US], et al
- [A] DE 4218229 C1 19930304
- [A] US 5214920 A 19930601 - LEAVESLEY MALCOLM G [GB]
- [A] WO 9953180 A1 19991021 - DAIMLER CHRYSLER AG [DE], et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 005, no. 131 (M - 084) 21 August 1981 (1981-08-21)

Cited by  
US7458764B2; EP1571298A1; CN107683364A; GB2467382A; GB2467382B; US7497654B2; US2014248138A1; US9404383B2; FR3082563A1; WO2004035994A1; WO2004074643A1; US10774732B2; US11434780B2; WO2005085601A1; WO2017005470A1; WO2019239076A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1128025 A2 20010829**; **EP 1128025 A3 20030102**; DE 10009099 A1 20010830

DOCDB simple family (application)  
**EP 01100423 A 20010108**; DE 10009099 A 20000225