

Title (en)

Guiding apparatus of a fluid flow machine with spring-loaded variable guide vanes

Title (de)

Leitvorrichtung einer Strömungsmaschine mit verstellbaren federbelasteten Leitschaufeln

Title (fr)

Dispositif de guidage d'une machine à fluide avec pales réglables à ressort

Publication

EP 1645727 A1 20060412 (DE)

Application

EP 04405627 A 20041007

Priority

EP 04405627 A 20041007

Abstract (en)

The guiding device has a bearing housing (22) and a guide vane (31). The guide vane has a rotatable mounted guide vane shaft (32) and an adjustable lever (4) for rotating guide vane. The guide vane and adjusting lever are braced against each other by means of a bent spring (5). An independent claim is also included for the turbo supercharger.

IPC 8 full level

F01D 17/16 (2006.01)

CPC (source: EP)

F01D 17/165 (2013.01); **F05D 2220/40** (2013.01); **F05D 2260/30** (2013.01)

Citation (search report)

- [A] US 4695220 A 19870922 - DAWSON JOHN [US]
- [A] DE 4213716 A1 19931028 - ASEA BROWN BOVERI [CH]
- [A] US 3059900 A 19621023 - WILLI HENNY, et al
- [A] DE 2029859 A1 19720203 - MOTOREN TURBINEN UNION

Cited by

JP2010525209A; JP2013227981A; US9388707B2; WO2021259862A1; WO2008129274A3; WO2008055930A1

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DOCDB simple family (publication)

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