

Title (en)

Exhaust gas turbine casing comprising a support element

Title (de)

Gasaustrittsgehäuse einer Abgasturbine mit einem Stützelement

Title (fr)

Carter de turbine à gas d'échappement comprenant un élément de support

Publication

EP 1992789 A1 20081119 (DE)

Application

EP 07108472 A 20070518

Priority

EP 07108472 A 20070518

Abstract (en)

The discharge housing has support elements arranged in a flow channel for stabilizing of the discharge housing. The discharge housing is asymmetrically formed in an area limited to the flow channel. The support elements are arranged transverse to the flow channel. One support element is designed as a separation wall (15) or ribs through the flow channel. The support elements connect a gas discharge flange (11) with a bearing housing flange (12) in an axial direction.

Abstract (de)

Es wird ein Gasaustrittsgehäuse einer Abgasturbine vorgestellt, welches ein Stützelement aufweist. Das Stützelement ist als eine Trennwand (15) ausgebildet, welche quer durch den asymmetrischen Strömungskanal führt. Dies führt dazu, dass das Turbinengehäuse (10) genauso stabil ist, wie wenn es eine symmetrische Form aufweisen würde.

IPC 8 full level

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CPC (source: EP)

F01D 25/04 (2013.01); **F01D 25/24** (2013.01); **F01D 25/30** (2013.01); **F05D 2220/40** (2013.01); **F05D 2240/12** (2013.01); **F05D 2240/126** (2013.01); **F05D 2240/14** (2013.01); **F05D 2260/96** (2013.01)

Citation (search report)

- [X] DE 4325457 C1 19940728 - MAN B & W DIESEL AG [DE]
- [X] US 2724545 A 19551122 - KONRAD OECHSLIN
- [X] EP 0345700 A1 19891213 - SKODA KP [CS]
- [X] US 1405090 A 19220131 - KARL BAUMANN
- [X] US 2840342 A 19580624 - SILVERN DAVID H
- [X] US 3221491 A 19651207 - KOENIG III CARL F, et al
- [X] DE 3108288 A1 19820923 - MASCHF AUGSBURG NUERNBERG AG [DE]
- [X] US 4326832 A 19820427 - IKEDA TAKASHI, et al
- [X] US 3149470 A 19640922 - JOSEF HERZOG
- [A] EP 1273760 A1 20030108 - GEN MOTORS CORP [US]

Cited by

WO2019194797A1; JP2010242752A

Designated contracting state (EPC)

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