

Title (en)

Variable geometry guide vanes and turbocharger with these vanes

Title (de)

Leitgitter variabler Geometrie und Turbolader mit einem solchen Leitgitter

Title (fr)

Aubes de guidage variables et turbosoufflante avec ces aubes

Publication

EP 1398463 B1 20060712 (DE)

Application

EP 02020412 A 20020910

Priority

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Abstract (en)

[origin: EP1398463A1] The variable geometry guide grill for a motor vehicle internal combustion engine turbocharger housing has a crown of guide vanes (7) around the casing central axis (R) and pivotably around an axis (8). A vane bearing ring (6) is axially spaced from a plate (29) with a central opening (53). The plate central opening is movable with respect to the central outlet stub of the casing to allow the grill to be inserted.

IPC 8 full level

F01D 17/16 (2006.01); **F02B 37/24** (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP US)

F01D 17/165 (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US)

Cited by

DE102012001603B4; EP2302175A1; DE102004023282A1; EP1722073A1; DE102004023280A1; DE102007010840A1; DE102009008531A1; DE102004033884A1; EP1574673A1; DE102004023279A1; EP1635040A1; CN103016070A; DE102004023284A1; DE102004023283A1; DE102004023284B4; US7600969B2; WO2006133793A1; DE102008000849A1; US8747058B2; WO2012000980A1; WO2007121843A1; WO2006122596A1; DE102009007663A1; US8459938B2; US8033109B2; US8464528B2; EP3009637A1; EP3009638A1

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