

Title (en)
Variable stator vanes for a turbocharger

Title (de)
Stelleinrichtung für Leitschaufeln eines Abgasturboladers

Title (fr)
Callage de superchargeur

Publication
EP 1635041 A1 20060315 (DE)

Application
EP 05019633 A 20050909

Priority
DE 102004043927 A 20040911

Abstract (en)
The adjusting device (10) for guide vanes of an exhaust gas turbocharger has pivots (17) for the pivotable mounting of the vanes in a bearing plate (18), whereby the pivots are connected to adjusting levers (14) the free ends of which engage in cut-outs (12) in an adjusting ring (11). The adjusting ring is mounted on the circumference of the bearing plate by ball bearings (20) which are guided in a bearing cage (21). A drive lever (28) is seated on a drive shaft (29) which is rotatably mounted in the bearing plate and by its free end engages in one of the cut-outs in the adjusting ring.

IPC 8 full level
F01D 17/16 (2006.01); **F01D 5/02** (2006.01); **F02B 37/24** (2006.01); **F02C 6/12** (2006.01)

CPC (source: EP)
F01D 17/165 (2013.01); **F02B 37/24** (2013.01); **F05D 2230/61** (2013.01); **F05D 2230/642** (2013.01)

Citation (applicant)
• DE 10035762 A1 20020131 - DAIMLER CHRYSLER AG [DE]
• US 2860827 A 19581118 - HANS EGLI

Citation (search report)
• [XY] EP 1394363 A1 20040303 - BORGWARNER INC [US]
• [YA] DE 10238412 A1 20040304 - VOLKSWAGEN AG [DE]
• [YA] EP 0226444 A2 19870624 - GARRETT CORP [US]

Cited by
KR20110108205A; ITCO20110034A1; EP2565388A3; US2010014961A1; US8328520B2; DE102009057663A1; WO2011118880A1; WO2011118881A1; US9464533B2

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DE FR IT

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