

Title (en)

SLIDING VANE TURBOCHARGER WITH GRADUATED VANES

Title (de)

TURBOKOMPRESSOR MIT AXIAL VERSCHIEBBAREN LEITSCHAUFELN WOBEI DIE GEOMETRIE IN LÄNGSRICHTUNG UNTERSCHIEDLICH IST

Title (fr)

TURBOPRESSEUR A AILETTES COULISSANTES AVEC AILETTES GRADUEES

Publication

EP 1301689 B1 20060920 (FR)

Application

EP 00954699 A 20000719

Priority

FR 0002069 W 20000719

Abstract (en)

[origin: WO0206636A1] The invention concerns a turbocharger with variable turbine intake nozzle comprising a mobile cylindrical piston to vary the area of the intake nozzle in the turbine. Vanes mounted on the piston to control the flow into the nozzle penetrate through a slotted heat baffle which supplies a smooth aerodynamic flow into the turbine vanes. The vanes further comprise a stepped portion having greater chord and depth which engage the surface of the heat baffle and hermetically close the slots with the piston in closed position. An axial actuating device is attached to operate the piston.

IPC 8 full level

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CPC (source: EP KR US)

F01D 17/143 (2013.01 - EP US); **F01D 17/167** (2013.01 - EP US); **F02B 37/22** (2013.01 - KR); **F05D 2220/40** (2013.01 - EP US)

Cited by

DE102011120555A1; DE102011109643A1; DE102011120553A1; WO2013083212A1; US9664193B2

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WO 0206636 A1 20020124; AU 6706000 A 20020130; CN 1289791 C 20061213; CN 1454284 A 20031105; DE 60030894 D1 20061102; DE 60030894 T2 20070906; EP 1301689 A1 20030416; EP 1301689 B1 20060920; JP 2004504524 A 20040212; KR 100643093 B1 20061110; KR 20030029785 A 20030416; US 7097432 B1 20060829

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