

Title (en)  
VARIABLE GEOMETRY TURBOCHARGER

Title (de)  
TURBOLADER MIT VARIABLER GEOMETRIE

Title (fr)  
TURBOCOMPRESSEUR À GÉOMÉTRIE VARIABLE

Publication  
**EP 2541017 A4 20130814 (EN)**

Application  
**EP 11747057 A 20110224**

Priority  
• JP 2010039786 A 20100225  
• JP 2011001071 W 20110224

Abstract (en)  
[origin: EP2541017A1] An exhaust nozzle 9 has nozzle vanes 15 interposed between front and rear exhaust introduction walls 10 and 51. A space 19 is between the wall 51 and a turbine housing 1. A sealing device 25 is arranged upstream, in a direction of exhaust gas, of each through hole 24 provided in the wall 51 for penetration of a vane shaft 16a to prevent exhaust gas in a scroll passage 8 from leaking through the space 19 to a turbine impeller 4. Each of the walls 10 and 51 is disk-shaped, the turbine housing 1 being formed with a shoulder 50 to which the wall 51 is fitted with the space 19.

IPC 8 full level  
**F02B 37/24** (2006.01); **F02B 39/00** (2006.01)

CPC (source: EP KR US)  
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**F02B 37/24** (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US); **F05D 2240/58** (2013.01 - EP US)

Citation (search report)  
• [Y] DE 102008005405 A1 20090723 - BOSCH MAHLE TURBO SYSTEMS GMBH [DE]  
• [Y] JP 2010024915 A 20100204 - IHI CORP  
• [Y] JP 2009197633 A 20090903 - IHI CORP  
• See references of WO 2011105090A1

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