

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)
F01D 17/165 (2013.01 - EP US); **F01D 25/24** (2013.01 - US); **F02B 37/24** (2013.01 - KR); **F02B 39/00** (2013.01 - KR);
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

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2541017 A1 20130102; EP 2541017 A4 20130814; EP 2541017 B1 20160224; CN 102762838 A 20121031; CN 102762838 B 20150610;
JP 5370579 B2 20131218; JP WO2011105090 A1 20130620; KR 20120105055 A 20120924; KR 20140054431 A 20140508;
US 2013149129 A1 20130613; WO 2011105090 A1 20110901

DOCDB simple family (application)
EP 11747057 A 20110224; CN 201180011081 A 20110224; JP 2011001071 W 20110224; JP 2012501684 A 20110224;
KR 20127021674 A 20110224; KR 20147009185 A 20110224; US 201113522047 A 20110224