

Title (en)
Compressor housing

Title (de)
Verdichtergehäuse

Title (fr)
Carter de compresseur

Publication
EP 2918790 A1 20150916 (EN)

Application
EP 15158599 A 20150311

Priority
NL 1040722 A 20140312

Abstract (en)
Compressor housing (15) for turbocharger forming at least a part of a compressor wheel compartment (21) for a compressor wheel (9), and a spiral shaped compressor passage (23). The spiral passage comprises an outlet (51) for supplying compressed air to at least one cylinder for combustion. A start of a loop of the spiral shaped compressor passage is formed by a closed end such that the air collected in the spiral shaped compressor passage near the closed end is forced to flow through the loop of the spiral shaped passage towards the outlet.

IPC 8 full level
F01D 25/24 (2006.01); **F02C 6/12** (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP)
F01D 9/026 (2013.01); **F04D 25/024** (2013.01); **F04D 29/4206** (2013.01); **F04D 29/4233** (2013.01); **F05D 2220/40** (2013.01); **F05D 2250/24** (2013.01); **F05D 2250/71** (2013.01); **F05D 2300/43** (2013.01)

Citation (applicant)
US 2010232955 A1 20100916 - SCHICK HEDWIG [DE], et al

Citation (search report)
• [XYI] EP 0138480 A2 19850424 - GARRETT CORP [US]
• [XI] US 6210109 B1 20010403 - WILL LAWRENCE [US], et al
• [XI] EP 1061265 A1 20001220 - WAERTSILAE NSD SCHWEIZ AG [CH]
• [XI] DE 102008043461 A1 20100506 - BOSCH GMBH ROBERT [DE]
• [XI] US 2916198 A 19591208 - WEISEL ZENAS V
• [Y] US 2010202877 A1 20100812 - SWEETLAND PATRICK [US], et al
• [A] US 2012180476 A1 20120719 - STEINER BERND [DE], et al
• [A] US 2010232955 A1 20100916 - SCHICK HEDWIG [DE], et al

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CN109871653A; CN114837759A

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2918789 A1 20150916; EP 2918790 A1 20150916; NL 1040722 A 20151105; NL 1040722 B1 20151119

DOCDB simple family (application)
EP 15158597 A 20150311; EP 15158599 A 20150311; NL 1040722 A 20140312