

Title (en)

Radial compressor with removal and return of air in the casing

Title (de)

Radialverdichter mit Abnahme und Rückführung von Luft am Gehäuse

Title (fr)

Compresseur radial doté d'une diminution et d'une récupération d'air sur le boîtier

Publication

EP 2080908 A3 20110713 (DE)

Application

EP 09000446 A 20090114

Priority

DE 102008004834 A 20080117

Abstract (en)

[origin: EP2080908A2] The radial compressor comprises a rotor (2) which is pivoted in housing in a rotating manner. A fluid split flow is derived between the housing and the rotor by the recesses of the housing. The fluid flow is injected from a rotor tip of the rotor into an axial flow (4). The conduction and injection of the fluid flow are coupled.

IPC 8 full level

F04D 27/02 (2006.01)

CPC (source: EP US)

F04D 27/023 (2013.01 - EP US); **F04D 27/0238** (2013.01 - EP US); **F04D 29/4213** (2013.01 - EP US); **F04D 29/682** (2013.01 - EP US); **F04D 29/685** (2013.01 - EP US)

Citation (search report)

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- [X] JP 2003314496 A 20031106 - ISHIKAWAJIMA HARIMA HEAVY IND
- [X] GB 1043168 A 19660921 - LICENTIA GMBH
- [X] DE 19823274 C1 19991014 - DAIMLER CHRYSLER AG [DE]
- [X] JP H09310699 A 19971202 - ISHIKAWAJIMA HARIMA HEAVY IND
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- [XI] US 2005152775 A1 20050714 - JAPIKSE DAVID [US], et al

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Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2080908 A2 20090722; EP 2080908 A3 20110713; DE 102008004834 A1 20090723; US 2009238677 A1 20090924

DOCDB simple family (application)

EP 09000446 A 20090114; DE 102008004834 A 20080117; US 32011309 A 20090116