

Title (en)
Radial compressor

Title (de)
Radialverdichter

Title (fr)
Compresseur radial

Publication
EP 0961033 B1 20031008 (DE)

Application
EP 98810486 A 19980525

Priority
EP 98810486 A 19980525

Abstract (en)
[origin: EP0961033A1] The radial compressor assembly has a coolant medium (25) passed into the dividing gap (18), between the compressor wheel and housing, downstream of the leakage flow (29) of the working medium (27). After a cooling action, it is removed. A feed channel (24) for the coolant gas (25) and at least one coolant gas exhaust channel (26) at the compressor housing (5) pass through the rear wall (16) of the compressor wheel (6) to open into the dividing gap (18).

IPC 1-7
F04D 29/58; F04D 29/16; F04D 29/04

IPC 8 full level
F04D 29/08 (2006.01); **F04D 29/04** (2006.01); **F04D 29/16** (2006.01); **F04D 29/44** (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP KR US)
F02M 39/00 (2013.01 - EP US); **F02M 55/025** (2013.01 - EP US); **F04C 18/02** (2013.01 - KR); **F04D 29/284** (2013.01 - EP US); **F04D 29/584** (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US)

Cited by
FR3025260A1; EP2993356A1; FR2904036A1; EP1882826A1; US7937951B2; US7942630B2; FR2904035A1; EP1882825A1; EP1882815A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0961033 A1 19991201; **EP 0961033 B1 20031008**; CN 1118637 C 20030820; CN 1239192 A 19991222; CN 2378560 Y 20000517; CZ 290965 B6 20021113; CZ 9901779 A3 20001115; DE 59809867 D1 20031113; JP 2000054996 A 20000222; KR 100551523 B1 20060213; KR 19990088488 A 19991227; TW 517138 B 20030111; US 6190123 B1 20010220

DOCDB simple family (application)
EP 98810486 A 19980525; CN 99107040 A 19990525; CN 99212100 U 19990525; CZ 177999 A 19990519; DE 59809867 T 19980525; JP 14528599 A 19990525; KR 19990018501 A 19990521; TW 88107620 A 19990511; US 31606699 A 19990521