

Title (en)
Side channel compressor

Title (de)
Seitenkanalverdichter

Title (fr)
Compresseur à canal latéral

Publication
EP 1519048 A3 20080409 (DE)

Application
EP 04022009 A 20040916

Priority
DE 10344718 A 20030926

Abstract (en)
[origin: DE10344718B3] The compressor has a turbine wheel housing (1) containing a rotary turbine wheel (3) and provided with air intake and air discharge connections (6,7). The turbine wheel housing is formed from 2 cooperating identical housing shells (2) joined together via planar separation surfaces at right angles to the rotation axis of the turbine wheel, enclosed by a peripheral ring (28) which centres the housing shells relative to one another, fitting into a channel (27) defined by an annular slot (26) adjacent the separation surface of each housing shell.

IPC 8 full level
F04D 23/00 (2006.01); **F04D 29/08** (2006.01); **F04D 29/40** (2006.01); **F04D 29/42** (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP)
F04D 23/008 (2013.01); **F04D 29/403** (2013.01); **F04D 29/4226** (2013.01); **F04D 29/626** (2013.01)

Citation (search report)

- [X] EP 0763662 A2 19970319 - SIEMENS AG [DE]
- [A] AT 369515 B 19830110 - GARVENSWERKE PUMPEN MOTOREN UN [AT]
- [A] DE 9304435 U1 19930609
- [A] DE 4221691 A1 19940105 - SIEMENS AG [DE]
- [A] DE 9215231 U1 19940310 - SIEMENS AG [DE]

Cited by
CN104500419A; CN113167284A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL HR LT LV MK

DOCDB simple family (publication)
DE 10344718 B3 20050105; CN 1601113 A 20050330; EP 1519048 A2 20050330; EP 1519048 A3 20080409

DOCDB simple family (application)
DE 10344718 A 20030926; CN 200410011763 A 20040927; EP 04022009 A 20040916