

Title (en)
SIDE CHANNEL COMPRESSOR

Title (de)
SEITENKANALVERDICHTER

Title (fr)
COMPRESSEUR A CONDUIT LATERAL

Publication
EP 1165965 A1 20020102 (DE)

Application
EP 00920569 A 20000324

Priority
• DE 19913950 A 19990326
• EP 0002624 W 20000324

Abstract (en)
[origin: US6779968B1] A side channel compressor comprises an inlet port (42) for gas and an outlet port (44) for compressed gas as well as a side channel (32) which provides a flow connection between the inlet port (42) and the outlet port (44), the cross-section of the side channel (32) diminishing between the inlet port (42) and the outlet port (44). The side channel (32) has at least one section in which it has a cross-section in the form of a half ellipse and in which the maximum depth of the channel (32) continuously diminishes towards the outlet port (44).

IPC 1-7
F04D 23/00

IPC 8 full level
F04D 23/00 (2006.01); **F04D 29/44** (2006.01)

CPC (source: EP KR US)
F04D 23/00 (2013.01 - KR); **F04D 23/008** (2013.01 - EP US)

Citation (search report)
See references of WO 0058629A1

Cited by
EP3869098A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 6779968 B1 20040824; AT E246316 T1 20030815; AU 4109800 A 20001016; AU 763252 B2 20030717; CN 1119531 C 20030827; CN 1345400 A 20020417; DE 19913950 A1 20000928; DE 50003108 D1 20030904; DK 1165965 T3 20031117; EP 1165965 A1 20020102; EP 1165965 B1 20030730; ES 2203451 T3 20040416; JP 2002540350 A 20021126; KR 100637090 B1 20061023; KR 20020002406 A 20020109; WO 0058629 A1 20001005

DOCDB simple family (application)
US 93739302 A 20020103; AT 00920569 T 20000324; AU 4109800 A 20000324; CN 00805576 A 20000324; DE 19913950 A 19990326; DE 50003108 T 20000324; DK 00920569 T 20000324; EP 0002624 W 20000324; EP 00920569 A 20000324; ES 00920569 T 20000324; JP 2000608093 A 20000324; KR 20017012119 A 20010924