

Title (en)
Side channel compressor with annular casing

Title (de)
Seitenkanalverdichter mit einem ringförmigen Gehäuse

Title (fr)
Compresseur à canal latéral avec carter annulaire

Publication
EP 1519049 A3 20080227 (DE)

Application
EP 04022010 A 20040916

Priority
DE 10344719 A 20030926

Abstract (en)
[origin: EP1519049A2] The side channel compressor has an annular impeller casing (1) provided with an air suction and air outlet connector. The impeller casing has a through-channel (12) which extends in an axial direction from one side of the casing to the opposite side and located in the region between the air suction connector and air outlet connector. The impeller casing is constructed in double shell form, with the shells (2) the same in design and abutting and sealed along a parting plane extending at right angles to the axis of the impeller.

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

CPC (source: EP)
F04D 23/008 (2013.01); **F04D 29/4206** (2013.01)

Citation (search report)
• [XA] DE 2433094 A1 19760122 - ELEKTOR KARL W MUELLER
• [X] DE 966159 C 19570711 - PHILIPP HILGE FA
• [X] WO 9708461 A1 19970306 - SIHI GMBH & CO KG [DE], et al
• [A] EP 0713975 A1 19960529 - SIEMENS AG [DE]

Cited by
US10184484B2; WO2017215903A1; WO2017067252A1

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)
EP 1519049 A2 20050330; EP 1519049 A3 20080227; CN 1601114 A 20050330; DE 10344719 A1 20050504

DOCDB simple family (application)
EP 04022010 A 20040916; CN 200410011761 A 20040927; DE 10344719 A 20030926