

Title (en)
Regenerative compressor.

Title (de)
Seitenkanal-Ringverdichter.

Title (fr)
Compresseur à canaux latéraux.

Publication
EP 0052251 A1 19820526 (DE)

Application
EP 81108652 A 19811021

Priority
DE 3042840 A 19801113

Abstract (en)
1. A side channel centrifugal compressor, in which the rotor hub (2) is provided with at least two rings of blades (3, 4) to which are assigned active annular channels (51, 52) in the housing (5), and in which a shared central body (6) is arranged between the blade rings, characterised in that the central body (6) is additionally provided with at least two active annular channels (61, 62) which are assigned to the blade sides (31, 41) of the double-suction blade rings (3, 4) which face towards the central body.

Abstract (de)
Um mindestens vier aktive Ringkanäle (51, 52, 61, 62) zu erhalten, werden auf einer Nabe (2) zwei doppelflutige Schaufelkränze (3, 4) angeordnet, deren Ringkanäle (51, 52) im Gehäuse (5) und Ringkanäle (61, 62) in einem geteilten Mittellkörper (6) zugeordnet sind. Durch diese Konstruktion erhält man einen relativ leicht montierbaren Verdichter.

IPC 1-7
F04D 23/00

IPC 8 full level
F04D 23/00 (2006.01)

CPC (source: EP)
F04D 23/008 (2013.01)

Citation (search report)
• [A] DE 1956013 A1 19710609 - RIETSCHLE MASCH APP
• [A] US 1893616 A 19330110 - FERGUSON GALE L
• [A] FR 2110122 A5 19720526 - ELEKTRISCHE GERATE GMBH
• [A] US 3560104 A 19710202 - NEALE ABAS BEAUCAN
• [A] FR 2216835 A5 19740830 - BERTIN & CIE [FR]
• [AD] DE 872819 C 19530409 - SIEMENS AG

Cited by
EP0805275A3; EP0770781A1

Designated contracting state (EPC)
CH FR GB IT

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