

Title (en)
Screw compressor

Title (de)
Schraubenverdichter

Title (fr)
Compresseur à vis

Publication
EP 0703365 A3 19970108 (DE)

Application
EP 95111798 A 19950727

Priority
DE 4432518 A 19940913

Abstract (en)
[origin: EP0703365A2] The compressor housing (1) contains at its ends interengaging, radially and axially supported helical impellers (2), forming a pair, which are oil lubricated in operation. On the pressure side, the impellar helices abut a housing front wall, contg. the pressure side housing delivery aperture. There is a pressure limiter (6) in the delivery section of the compressor. Pref. the pressure limiter is formed by a resilient, or reversible, support of the axial bearing (5) of at least one impeller in the compressor housing.

IPC 1-7
F04C 18/16

IPC 8 full level
F04C 29/00 (2006.01)

CPC (source: EP)
F04C 29/0035 (2013.01)

Citation (search report)

- [Y] DE 9015876 U1 19910207
- [Y] FR 601691 A 19260305
- [A] DE 890115 C 19530917 - HARTMANN A G MASCHF
- [A] US 3388854 A 19680618 - KRISTOFER OLOFSSON HANS, et al
- [A] CH 368261 C
- [X] EP 0175354 A2 19860326 - BITZER KUEHLMASCHINENBAU KG [DE]
- [X] US 3809510 A 19740507 - GREGERSON D, et al
- [X] WO 8910489 A1 19891102 - SVENSKA ROTOR MASKINER AB [SE]

Designated contracting state (EPC)
DE FR IT SE

DOCDB simple family (publication)
DE 4432518 A1 19960314; EP 0703365 A2 19960327; EP 0703365 A3 19970108

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