

Title (en)

ROTARY SCROLL COMPRESSOR FOR COMPRESSIBLE FLUIDS

Publication

EP 0351690 B1 19910925 (DE)

Application

EP 89112618 A 19890711

Priority

CH 278688 A 19880720

Abstract (en)

[origin: EP0351690A1] A rotary scroll compressor for compressible fluids essentially comprises a housing (1) in which two displacer discs (6, 7) of symmetrical construction are arranged so as to be rotatable by means of driving elements (18-23). On one side in each case, the two displacer discs are provided with ribs (14) extending in a spiral shape. To form a delivery space (15), the ribs interengage and, with their free front ends (24), seal against the opposite displacer disc. Provided in order to maintain the sealing effect is a pressure chamber (26) which communicates with the outlet (16) of the compressor and via which an axially displaceable annular disc (28) can be stressed, said annular disc being in operative connection with a displacer disc (6) designed to be axially displaceable. The pressure chamber (26) can be connected to the atmosphere via a valve (32). <IMAGE>

IPC 1-7

F04C 18/02

IPC 8 full level

F04C 18/02 (2006.01); **F04C 27/00** (2006.01); **F04C 28/26** (2006.01)

CPC (source: EP US)

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Cited by

EP0747597A3; USRE40400E; USRE40554E

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EP 0351690 A1 19900124; **EP 0351690 B1 19910925**; CH 675896 A5 19901115; DE 58900320 D1 19911031; JP 2740274 B2 19980415; JP H0267487 A 19900307; US 4990072 A 19910205

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