

Title (en)
SCREW COMPRESSOR FOR GASEOUS MEDIA

Publication
EP 0175354 A3 19870902 (DE)

Application
EP 85111778 A 19850918

Priority
DE 3434694 A 19840921

Abstract (en)
[origin: EP0175354A2] In the screw compressor, which has two helically toothed, axially parallel driven rotors with a housing surrounding the rotors, an inlet opening in the housing for the uncompressed medium, an outlet aperture for the compressed medium in the front or peripheral wall of the housing, a discharge space downstream of the outlet aperture and a discharge line, connected to the discharge space, for carrying away the compressed medium, the following measures are provided for the purpose of automatic adaptation of the cross-sectional area of the outlet of the compressor: the cross-sectional shape of the outlet aperture is invariable; in addition to the outlet aperture and separately from the latter, at least one bore in the front or peripheral wall of the housing leads out of the interior of the housing into the discharge space, and a spring-loaded relief valve is arranged in said bore. <IMAGE>

IPC 1-7
F04C 29/10

IPC 8 full level
F04C 18/16 (2006.01); **F04C 28/16** (2006.01)

CPC (source: EP)
F04C 28/16 (2013.01)

Citation (search report)
[X] US 2519913 A 19500822 - ALF LYSHOLM

Cited by
EP0703365A3; EP0937894A3; US6494699B2; US8459963B2

Designated contracting state (EPC)
AT BE DE FR GB IT NL SE

DOCDB simple family (publication)
EP 0175354 A2 19860326; EP 0175354 A3 19870902; DE 3434694 A1 19860410; JP S6179886 A 19860423

DOCDB simple family (application)
EP 85111778 A 19850918; DE 3434694 A 19840921; JP 19869085 A 19850910