

Title (en)
Compressor with pressure reducing device

Title (de)
Verdichter mit einer Vorrichtung zur Druckabsenkung

Title (fr)
Compresseur avec dispositif de réduction de pression

Publication
EP 0684385 B1 19980107 (DE)

Application
EP 95890053 A 19950315

Priority
AT 67694 A 19940330

Abstract (en)
[origin: EP0684385A1] The pressure reduction device uses a bypass line across the suction regulation valve (4) inserted in the suction line (3) of the compressor (1), containing a pair of parallel venting valves (23, 24), for controlling respective vent paths. One of the vent valves (24) is controlled by the pressure immediately in front of the compressor and is opened when this pressure is above a required pressure selected via a spring-loaded pressure holding valve (29). Both the venting valves and the pressure holding valve may be contained in a common valve housing (39). <IMAGE>

IPC 1-7
F04C 15/04; **F04B 49/02**; **F04B 49/24**

IPC 8 full level
F04C 18/16 (2006.01); **F04B 49/00** (2006.01); **F04B 49/02** (2006.01); **F04B 49/22** (2006.01); **F04B 49/24** (2006.01); **F04C 28/06** (2006.01); **F04C 28/24** (2006.01); **F04C 28/26** (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP US)
F04B 49/022 (2013.01 - EP US); **F04B 49/225** (2013.01 - EP US); **F04B 49/24** (2013.01 - EP US); **F04C 28/24** (2013.01 - EP US); **F04B 2205/01** (2013.01 - EP US); **F04B 2205/063** (2013.01 - EP US)

Cited by
CN107559197A; DE102006016318A1; DE102006016318B4; DE10047940A1; DE10047940B4; US8057193B2; US6461112B1; EP2005002B1

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EP 95890053 A 19950315; AT 67694 A 19940330; DE 59501201 T 19950315; FI 951489 A 19950329; JP 7416595 A 19950330; US 41346995 A 19950328