

Title (en)  
PISTON COMPRESSOR FOR GASEOUS MEDIA

Title (de)  
KOLBENVERDICHTER FÜR GASFÖRMIGE MEDIEN

Title (fr)  
COMPRESSEUR A PISTON POUR MILIEUX GAZEUX

Publication  
**EP 0725897 B1 19980304 (DE)**

Application  
**EP 95929103 A 19950811**

Priority  
• DE 4429097 A 19940817  
• EP 9503195 W 19950811

Abstract (en)  
[origin: WO9605430A1] A piston (58) is disclosed for piston compressors for compressing gaseous media, preferably air, having a piston rod that moves back and forth within a cylinder and is rigidly fixed to a piston provided with a passage for the gaseous medium to be sucked from the lower side of the piston. The passage further has an inlet valve that opens when the piston (58) moves downwards and closes when the piston moves upwards (58). This inlet valve consists of openings (80) made of several aligned parts and located in ring-shaped grooves arranged on both sides of main bodies (76) made of plastics. The top ring-shaped grooves may be covered by the ring-shaped valve lid (81).

IPC 1-7  
**F04B 39/00**; **F04B 39/10**; **F04B 49/12**

IPC 8 full level  
**F04B 39/00** (2006.01); **F04B 39/10** (2006.01); **F04B 49/12** (2006.01)

CPC (source: EP US)  
**F04B 39/0016** (2013.01 - EP); **F04B 39/10** (2013.01 - EP US); **F04B 49/12** (2013.01 - EP US); **F05C 2225/04** (2013.01 - EP)

Cited by  
DE19903025A1; DE19903025C2

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

DOCDB simple family (publication)  
**DE 4429097 A1 19960222**; AT E163734 T1 19980315; AT E163735 T1 19980315; DE 59501549 D1 19980409; DE 59501550 D1 19980409; EP 0725897 A1 19960814; EP 0725897 B1 19980304; EP 0725898 A1 19960814; EP 0725898 B1 19980304; ES 2113211 T3 19980416; ES 2113212 T3 19980416; WO 9605429 A1 19960222; WO 9605430 A1 19960222

DOCDB simple family (application)  
**DE 4429097 A 19940817**; AT 95929103 T 19950811; AT 95929853 T 19950811; DE 59501549 T 19950811; DE 59501550 T 19950811; EP 9503195 W 19950811; EP 9503196 W 19950811; EP 95929103 A 19950811; EP 95929853 A 19950811; ES 95929103 T 19950811; ES 95929853 T 19950811