

Title (en)  
Piston for a piston compressor

Title (de)  
Kolben für einen Kolbenverdichter

Title (fr)  
Piston pour un compresseur à piston

Publication  
**EP 0980977 A3 20001011 (DE)**

Application  
**EP 99116360 A 19990819**

Priority  
DE 29814962 U 19980820

Abstract (en)  
[origin: EP0980977A2] There is a reciprocating connecting-rod (14) inside a cylinder (12), with the connecting-rod being connected to a piston (10). The piston has a valve washer (16) with at least one through-let (18) for to-be-sucked gaseous medium, on the piston's underside, and a ring-shaped piston head (20) made from plastics. The piston head may have a sealed support ring (22) on its ring inner side that is made from metal or a metal alloy. The coefficient of friction of both the support ring material and the cylinder material are approximately the same. The support ring may be made from brass and may have a tapered-off bevel (24,26). The valve washer may extend through a central ring opening of the piston head, e.g. the support ring.

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**F04B 39/00**

IPC 8 full level  
**F04B 39/00** (2006.01)

CPC (source: EP)  
**F04B 39/0016** (2013.01); **F05C 2201/0475** (2013.01)

Citation (search report)  
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