

Title (en)  
SUCTION TUBE SEAL FOR A ROTARY COMPRESSOR

Publication  
**EP 0183332 B1 19890531 (EN)**

Application  
**EP 85304276 A 19850614**

Priority  
US 67030684 A 19841113

Abstract (en)  
[origin: EP0183332A1] In a rotary hermetic compressor, a suction tube seal (104) is provided between the cylinder (37) and the suction tube (24). The suction tube end (100) extends through the housing (10) of the hermetic compressor and is sealingly secured thereto such as by welding. The compressor cylinder (37), which is located in the housing (10) has an aperture (90) in the cylindrical wall thereof for receiving the end (100) of the suction tube (24) extending into the housing (10). The inside diameter of the aperture is greater than the outside diameter of the suction tube so that the suction tube is slidably axially received in the aperture. The suction tube (24) is sealed to the cylinder (37) by flexible sealing means (104) which is interposed between the outside of the suction tube and the inside of the aperture. The sealing means is preferably an O ring (104) constructed of oil resistant, flexible rubber material.

IPC 1-7  
**F04B 39/12; F04C 23/00; F04C 29/08**

IPC 8 full level  
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CPC (source: EP)  
**F04B 39/123** (2013.01); **F04C 23/008** (2013.01); **F04C 29/12** (2013.01); **F25B 43/006** (2013.01)

Cited by  
EP0735269A3; CN113883764A; EP1359324A3; EP0322561A3; CN1108455C; EP0386320A1; EP0377092A3; EP1020646A1; CN1092764C; EP0882894A3; EP2184493A4

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