

Title (en)  
Pump for heavy gases.

Title (de)  
Pumpe für schwere Gase.

Title (fr)  
Pompe pour des gaz lourds.

Publication  
**EP 0048095 A1 19820324 (EN)**

Application  
**EP 81303882 A 19810825**

Priority  
GB 8028827 A 19800905

Abstract (en)  
A pump comprising two co-operating rotors (13, 14) which is suitable for pumping heavy gases. The pump has an inlet/exhaust manifold (30) which offers in its inlet substantially no obstruction to gas flow. The manifold has an inlet passage (33) of a bell shape and the outlet manifold comprises a passage (40) which has a shape which varies in cross-section from part annular to circular. Owing to the shape of the manifold, pulsations within the fluid being pumped are reduced and pressure loss through the manifold is reduced. Thus, power requirement for a specific duty is reduced for the pump.

IPC 1-7  
**F04C 29/08**

IPC 8 full level  
**F04C 18/08** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP)  
**F04C 18/086** (2013.01); **F04C 29/12** (2013.01)

Citation (search report)  
• [A] FR 636382 A 19280407  
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