

Title (en)  
A pump

Title (de)  
Eine Pumpe

Title (fr)  
Une pompe

Publication  
**EP 1536135 A3 20070418 (EN)**

Application  
**EP 04028061 A 20041125**

Priority  
US 52534903 P 20031126

Abstract (en)  
[origin: EP1536135A2] A closed loop rodder pump is disclosed which can include a tube assembly and a reciprocating cylinder assembly disposed therein. The cylinder assembly can include a piston portion and a plunger. The piston portion can sealingly engage the tube assembly. In some embodiments, the cylinder assembly can include a second plunger to provide the pump with a dual-acting feature. The rodder pump can be used in a water jetter cleaning system of a vehicle for cleaning catch basins and/or sewers.

IPC 8 full level  
**F04B 9/105** (2006.01); **F04B 9/113** (2006.01); **F04B 9/117** (2006.01); **F04B 53/10** (2006.01)

CPC (source: EP US)  
**F04B 9/105** (2013.01 - EP US); **F04B 9/113** (2013.01 - EP US); **F04B 9/1172** (2013.01 - EP US); **F04B 53/109** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)  
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Designated extension state (EPC)  
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**EP 04028061 A 20041125**; US 99766704 A 20041124