

Title (en)  
Pump comprising a partially hollow piston.

Title (de)  
Pumpe mit zum Teil hohlem Kolben.

Title (fr)  
Pompe comprenant un piston partiellement creux.

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Application  
**EP 93201766 A 19930618**

Priority  
FR 9209022 A 19920720

Abstract (en)  
The pump according to the present invention consists of a piston (16) of which the end (17) is hollowed out and forms a chamber (19) having an opening (18) and an inlet valve (15). The alternative displacement of the piston draws and pushes the fluid back through the chamber (19). The system is totally "in line" and is suitable even for very abrasive fluids such as cement slurry. <IMAGE>

IPC 1-7  
**F04B 21/04**

IPC 8 full level  
**F04B 15/02** (2006.01); **F04B 19/22** (2006.01); **F04B 39/10** (2006.01); **F04B 53/10** (2006.01); **F04B 53/12** (2006.01)

CPC (source: EP)  
**F04B 53/125** (2013.01)

Citation (search report)  
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