

Title (en)  
LIQUID MECHANICAL PUMP

Title (de)  
FLÜSSIGKEITSRINGPUMPE

Title (fr)  
POMPE A ANNEAU DE LIQUIDE

Publication  
**EP 1060336 A1 20001220 (DE)**

Application  
**EP 99911611 A 19990219**

Priority  
• DE 9900474 W 19990219  
• DE 29803768 U 19980304

Abstract (en)  
[origin: WO9945275A1] The invention relates to a liquid mechanical pump, comprising a rotatably mounted running wheel in a pump housing, at least one control disk with an aspirating port and a pressure port. The pressure port opens into a pressure chamber via the control disk and the pump cover. A pressure pipe is connected to the pressure chamber. A closing member is arranged inside the pressure chamber in the path of flow between the opening of the pressure port and the opening of the mouth of the pressure pipe. Said closing member has a through opening which includes a cross-section that can automatically be adapted to the volume of the medium transported by the inventive pump. The invention is characterised in that the closing member is a moveable plate secured on one side inside the pressure chamber and that it opens up a slit shaped cross-section according to the delivery between the plate and the control disk or pump cover.

IPC 1-7  
**F04C 19/00**; **F04C 29/06**; **F04C 29/00**

IPC 8 full level  
**F04C 29/06** (2006.01)

CPC (source: EP)  
**F04C 29/061** (2013.01); **F04C 29/068** (2013.01)

Citation (search report)  
See references of WO 9945275A1

Designated contracting state (EPC)  
IT

DOCDB simple family (publication)  
**DE 29803768 U1 19980610**; EP 1060336 A1 20001220; EP 1060336 B1 20020508; WO 9945275 A1 19990910

DOCDB simple family (application)  
**DE 29803768 U 19980304**; DE 9900474 W 19990219; EP 99911611 A 19990219