

Title (en)  
FLUID PUMP

Title (de)  
FLUIDPUMPE

Title (fr)  
POMPE A FLUIDE

Publication  
**EP 0835381 A1 19980415 (DE)**

Application  
**EP 96943027 A 19961203**

Priority  
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Abstract (en)  
[origin: US6109889A] PCT No. PCT/EP96/05382 Sec. 371 Date Jun. 3, 1998 Sec. 102(e) Date Jun. 3, 1998 PCT Filed Dec. 3, 1996 PCT Pub. No. WO97/21924 PCT Pub. Date Jun. 19, 1997A fluid pump has a pump body and a displacer, the displacer and the pump body being implemented such that a pump chamber is defined therebetween, the pump chamber having an inlet opening and an outlet opening, neither the inlet opening nor the outlet opening being provided with a check valve. A drive means is provided which positions the displacer periodically at a first and at a second end position. The displacer closes the outlet opening when it occupies its first end position and leaves the outlet opening free when it occupies its second end position and leaves the inlet opening free at both end positions thereof. The displacer, when moving from the first to the second end position, defines a flow-through gap which opens between the displacer and the pump body in the area of the outlet opening in dependence upon the movement, the flow-through gap being defined such that the flow through the outlet opening depends on the pressure in the pump chamber as well as on the respective opening degree of the flow-through gap.

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