

Title (en)  
LIQUID PUMP

Title (de)  
FLÜSSIGKEITSPUMPE

Title (fr)  
POMPE A LIQUIDES

Publication  
**EP 1466097 B1 20050727 (DE)**

Application  
**EP 03729208 A 20030108**

Priority  
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Abstract (en)  
[origin: WO03058066A1] The invention relates to a liquid pump (1) that consists of a pump housing (11) enclosing a pump compartment (10) and that comprises piezoelectric actuator elements (21, 22) that displace a piston (20) inside the pump compartment (10) and inlet valves (12, 13) and outlet valves (14, 15) mounted in such a manner as for the liquid pump (1) to carry out a pump effect with every displacement of the piston (20). The piezoelectric actuator elements (21, 22) are displaced at an angle to the direction of displacement of the piston (20) with reinforcing frames (21h, 22a) to translate the travel of the piezoelectric actuator elements (21, 22).

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IPC 8 full level  
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