

Title (en)  
Vibrating pump with improved efficiency.

Title (de)  
Schwingpumpe mit verbessertem Wirkungsgrad.

Title (fr)  
Pompe vibrante à rendement amélioré.

Publication  
**EP 0511124 A1 19921028 (FR)**

Application  
**EP 92420114 A 19920408**

Priority  
MC 2185 A 19910409

Abstract (en)  
This vibrating pump, for a liquid, comprises an electromagnet (5) attracting a movable magnetic core (7) upon which there also acts a return spring (9) and which is connected to a diaphragm (10) or to a movable piston in a pumping chamber (2) positioned between a liquid inlet (3) and outlet (4). Power is supplied to the core (6) of the electromagnet periodically, to obtain alternating intake and exhaust phases. The outlet (4) is connected to a hydraulic accumulator (16) having an elastic action which, when the pump is in the intake phase, restores to the user circuit (18) a quantity of liquid admitted into this accumulator (16) when the pump is in the exhaust phase. The total output of the pump is thus improved. <IMAGE>

IPC 1-7  
**F04B 11/00**

IPC 8 full level  
**F04B 11/00** (2006.01)

CPC (source: EP)  
**F04B 11/0033** (2013.01)

Citation (search report)  
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