

Title (en)  
Liquid pump and method.

Title (de)  
Flüssigkeitspumpe und Verfahren.

Title (fr)  
Pompe à liquide et méthode.

Publication  
**EP 0638729 A1 19950215 (EN)**

Application  
**EP 94112406 A 19940809**

Priority  
IL 10668393 A 19930813

Abstract (en)  
A method and apparatus for pumping a liquid from a reservoir, by immersing one end of a tube in a reservoir of the liquid to be pumped, which end includes a one-way valve permitting the liquid to flow into the tube from the reservoir but not vice versa, and cyclically reciprocating by an electrical drive the immersed end of the tube parallel to the axis of the immersed end. <IMAGE>

IPC 1-7  
**F04F 7/00**; **F04B 17/04**

IPC 8 full level  
**F04D 33/00** (2006.01); **F04B 17/04** (2006.01); **F04F 7/00** (2006.01)

CPC (source: EP)  
**F04B 17/046** (2013.01); **F04F 7/00** (2013.01)

Citation (search report)  
• [X] DE 1267091 B 19680425 - HEINRICH LIST DIPL ING  
• [X] DE 1802025 A1 19700416 - LEDERLE PUMPEN & MASCHF  
• [A] DE 705667 C 19410506 - SIEMENS AG  
• [A] GB 1256612 A 19711208  
• [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 135 (M - 585) 28 April 1987 (1987-04-28)

Cited by  
CN100385118C; CN108105073A; US7086840B2; WO0220990A1

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