

Title (en)  
Fittings for a household pump

Title (de)  
Anschlusstutzen für eine Haushaltspumpe

Title (fr)  
Robinetterie pour une pompe ménagère

Publication  
**EP 0992688 A3 20010131 (DE)**

Application  
**EP 99119756 A 19991006**

Priority  

- DE 19846047 A 19981007
- DE 19923349 A 19990521

Abstract (en)  
[origin: EP0992688A2] The pump unit has a pump (5) with pump chamber (8) having intake (10) and outlet (11). The outlet has at least two associated separate pump outlet connections (33,34). One, pref. all connections are formed for tool-free connection of components, and at least one is connection socket with outer thread. One of the connections is direction-adjustable and may be locked in position pref. without tools. One connection is connected to the domestic water mains, and the other is connected to pref. a small-volume pressure accumulator tank pref. with less than approx. 1000cm<sup>3</sup>.

IPC 1-7  
**F04B 53/10; F04B 53/20; F04D 13/06; F04B 17/06**

IPC 8 full level  
**F04B 17/03** (2006.01); **F04B 17/06** (2006.01); **F04B 53/16** (2006.01); **F04D 13/06** (2006.01); **F04D 29/42** (2006.01)

CPC (source: EP)  
**F04B 17/03** (2013.01); **F04B 17/06** (2013.01); **F04B 53/16** (2013.01); **F04D 13/06** (2013.01); **F04D 29/4293** (2013.01)

Citation (search report)  

- [XY] EP 0080049 A1 19830601 - KESSEL BERNHARD
- [Y] DE 4304149 C1 19940908 - GRUNDFOS AS [DK]
- [X] DE 3825651 A1 19890216 - ROSENBAUER INT GMBH [AT]
- [Y] DE 29718219 U1 19971204 - WANG WEN CHANG [TW]
- [A] US 5593279 A 19970114 - HAYASHI TETSUJI [JP]
- [A] EP 0534042 A1 19930331 - WEBER GISELA [AT]
- [A] GB 1022572 A 19660316 - ANDRE GEORGES JAMME, et al
- [X] US 3704078 A 19721128 - CONERY WILLIAM J, et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 025 (M - 355) 2 February 1985 (1985-02-02)

Cited by  
CN103958898A; WO03014575A1; WO2013078833A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0992688 A2 20000412; EP 0992688 A3 20010131; EP 0992688 B1 20100602**

DOCDB simple family (application)  
**EP 99119756 A 19991006**