

Title (en)  
HOUSEHOLD APPLIANCE WITH A PUMP-VALVE ASSEMBLY

Title (de)  
HAUSHALTSGERÄT MIT EINER PUMPVENTILANORDNUNG

Title (fr)  
APPAREIL MÉNAGER POURVU D'UN ENSEMBLE POMPE-SOUPAPE

Publication  
**EP 4310342 A1 20240124 (EN)**

Application  
**EP 22186045 A 20220720**

Priority  
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Abstract (en)  
A household appliance with a pump-valve assembly comprising a first body, a second body creating a chamber and having an inlet, a first outlet, a second outlet and an impeller for transporting fluid, wherein the pump-valve assembly is driven by a motor, wherein the impeller has a shaft and a first set of blades and a second set of blades placed coaxially on the shaft. The present invention enables a household appliance in which the operation is controlled by a pump-valve assembly driven by a BLDC or DC motor in easy, automatic, and reliable way.

IPC 8 full level  
**F04D 29/48** (2006.01)

CPC (source: EP)  
**F04D 15/0016** (2013.01); **F04D 29/486** (2013.01); **D06F 39/085** (2013.01); **F04D 13/022** (2013.01)

Citation (applicant)

- WO 2017097641 A1 20170615 - BSH HAUSGERAETE GMBH [DE]
- EP 0271318 A2 19880615 - TRICO FOLBERTH LTD [GB]
- WO 9927836 A1 19990610 - SAMSUNG ELECTRONICS CO LTD [KR], et al

Citation (search report)

- [X] WO 2016202723 A1 20161222 - BSH HAUSGERAETE GMBH [DE]
- [I] US 5924432 A 19990720 - THIES EDWARD L [US], et al

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