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Publication  
**EP 2638296 A1 20130918 (DE)**

Application  
**EP 11779687 A 20111110**

Priority  
• DE 102010043727 A 20101110  
• EP 2011069810 W 20111110

Abstract (en)  
[origin: WO2012062839A1] A liquid pump has a rotor in a pump housing which has a pump chamber, a pump base, a pump-chamber wall and a cover. The rotor rotates just above the pump base, the pump-chamber wall being provided around the outside of and slightly spaced apart from the rotor and having a heating means thereon. An inlet to the rotor is provided centrally in the axial direction towards the rotor and an outlet from the pump housing is provided externally at the periphery of the pump-chamber wall. Blade-like guiding elements which are integrally injection-moulded thereon are arranged on the pump base, radially outside the impeller.

IPC 8 full level  
**F04D 29/42** (2006.01); **F04D 29/44** (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP US)  
**F04D 7/00** (2013.01 - US); **F04D 29/426** (2013.01 - EP US); **F04D 29/445** (2013.01 - EP US); **F04D 29/588** (2013.01 - EP US)

Citation (search report)  
See references of WO 2012062839A1

Designated contracting state (EPC)  
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