

Title (en)  
Fluid circulation pump and use thereof

Title (de)  
Fluid-Umwälzpumpe und ihre Verwendung

Title (fr)  
Pompe de circulation de fluide et son utilisation

Publication  
**EP 2469093 B1 20171213 (FR)**

Application  
**EP 10306512 A 20101224**

Priority  
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Abstract (en)  
[origin: EP2469093A1] The pump (10) has a shaft (28) movable in rotation around a longitudinal axis in a cavity (22) of a cartridge (20) of a motor (16), where the shaft is made of stainless steel or ceramic. Conduits allow the circulation of fluid in the shaft. The conduits are in communication with the cavity and extended along the shaft in a rectilinear or helical manner. A fluid circulation wheel is driven in rotation by the shaft. One of the conduits is formed between outer and inner tubes of the shaft. A magnet rotor (26) is encapsulated with stainless steel and fixed to the shaft.

IPC 8 full level  
**F04D 13/06** (2006.01)

CPC (source: EP)  
**F04D 13/064** (2013.01)

Cited by  
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