

Title (en)  
PUMP

Title (de)  
PUMPE

Title (fr)  
POMPE

Publication  
**EP 2980415 A1 20160203 (EN)**

Application  
**EP 14775949 A 20140203**

Priority  
• JP 2013071064 A 20130329  
• JP 2014000544 W 20140203

Abstract (en)  
A pump (1) includes: a casing (30) forming an outer shell of a suction flow passage (35a), of a pump chamber (131) communicating with the suction flow passage (35a), and of a discharge flow passage (36a) communicating with the pump chamber (131); and a volute unit (130) including a volute flow passage communicating with the suction flow passage (35a) and with the discharge flow passage (36a). The volute portion (130) is provided in the pump chamber (131) as a component independent of the casing (30).

IPC 8 full level  
**F04D 13/06** (2006.01); **F04D 29/42** (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP)  
**F04D 13/0633** (2013.01); **F04D 29/426** (2013.01); **F04D 29/4286** (2013.01); **F04D 29/628** (2013.01)

Cited by  
CN112469901A; US11506216B2; WO2020011316A1

Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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