

Title (en)  
Vacuum pump arrangement

Title (de)  
Vakuumpumpanordnung

Title (fr)  
Unité de pompage à vide

Publication  
**EP 1447567 B1 20070919 (DE)**

Application  
**EP 04000831 A 20040116**

Priority  
DE 10305038 A 20030207

Abstract (en)  
[origin: EP1447567A2] A tempering device (20) is provided between a suction side flange (13) of a pump and a recipient connection flange (16).

IPC 8 full level  
**F04D 19/04** (2006.01); **F04D 29/58** (2006.01); **F04D 29/60** (2006.01)

CPC (source: EP US)  
**F04D 19/04** (2013.01 - EP US); **F04D 29/584** (2013.01 - EP US); **F04D 29/601** (2013.01 - EP US)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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DE 502004004989 D1 20071031; JP 2004239258 A 20040826; US 2004156713 A1 20040812; US 7500821 B2 20090310

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US 77175304 A 20040204