

Title (en)  
PERIPHERAL PUMP

Title (de)  
PERIPHERALPUMPE

Title (fr)  
POMPE TOURBILLONNAIRE

Publication  
**EP 0894198 B1 20011128 (DE)**

Application  
**EP 97916453 A 19970408**

Priority  
• DE 19615323 A 19960418  
• EP 9701735 W 19970408

Abstract (en)  
[origin: DE19615323A1] In a peripheral pump with an impeller (2) rotating in a pump casing (1), friction losses are reduced by recesses (15, 16) in the faces (3, 4) of the impeller (2) interconnected by a channel (17). A slight leakage of the fluid to be conveyed is extracted by sealing gaps (14) between the faces (3, 4) of the impeller (2) and the pump casing (1) via the channel (17). The impeller (2) thus continuously floats on a film of fluid.

IPC 1-7  
**F04D 29/18**; F04D 5/00

IPC 8 full level  
**F04D 5/00** (2006.01); **F04D 29/18** (2006.01)

CPC (source: EP)  
**F04D 5/002** (2013.01); **F04D 29/188** (2013.01); **F05D 2260/34** (2013.01); **F05D 2260/35** (2013.01)

Designated contracting state (EPC)  
DE ES FR GB

DOCDB simple family (publication)  
**DE 19615323 A1 19971023**; AU 2509897 A 19971112; DE 59705556 D1 20020110; EP 0894198 A1 19990203; EP 0894198 B1 20011128; ES 2169373 T3 20020701; WO 9740275 A1 19971030

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**DE 19615323 A 19960418**; AU 2509897 A 19970408; DE 59705556 T 19970408; EP 9701735 W 19970408; EP 97916453 A 19970408; ES 97916453 T 19970408