

Title (en)  
SIDE CHANNEL PUMP

Title (de)  
SEITENKANALPUMPE

Title (fr)  
POMPE A CANAL LATERAL

Publication  
**EP 1292774 B1 20100526 (DE)**

Application  
**EP 01943198 A 20010327**

Priority  
• DE 10030604 A 20000621  
• EP 0103473 W 20010327

Abstract (en)  
[origin: WO0198664A1] A side channel pump (1) has guides (17), for the radial and/or axial guidance of the turbine (4), arranged in the radially external region thereof. The guides (17) comprise guide surfaces (18, 19) arranged on the turbine (4) at a given angle to the front face thereof. According to the invention, frictional losses in the side channel pump (1) are thus kept particularly low.

IPC 8 full level  
**F04D 5/00** (2006.01); **F04D 23/00** (2006.01); **F04D 29/04** (2006.01); **F04D 29/041** (2006.01); **F04D 29/047** (2006.01); **F04D 29/18** (2006.01)

CPC (source: EP US)  
**F04D 29/0413** (2013.01 - EP US); **F04D 29/047** (2013.01 - EP US); **F04D 29/188** (2013.01 - EP US)

Designated contracting state (EPC)  
DE ES FR GB SE

DOCDB simple family (publication)  
**WO 0198664 A1 20011227**; AU 6584301 A 20020102; BR 0106877 A 20020514; CN 1383475 A 20021204; DE 10030604 A1 20020103; DE 50115491 D1 20100708; EP 1292774 A1 20030319; EP 1292774 B1 20100526; JP 2004501318 A 20040115; US 2002021975 A1 20020221; US 6540474 B2 20030401

DOCDB simple family (application)  
**EP 0103473 W 20010327**; AU 6584301 A 20010327; BR 0106877 A 20010327; CN 01801756 A 20010327; DE 10030604 A 20000621; DE 50115491 T 20010327; EP 01943198 A 20010327; JP 2002504791 A 20010327; US 88523601 A 20010620