

Title (en)
SIDE CHANNEL PUMP

Title (de)
SEITENKANALPUMPE

Title (fr)
POMPE REGENERATIVE

Publication
EP 0808424 A1 19971126 (DE)

Application
EP 96900949 A 19960112

Priority
• DE 29501872 U 19950206
• EP 9600128 W 19960112

Abstract (en)
[origin: US5913657A] PCT No. PCT/EP96/00128 Sec. 371 Date Nov. 14, 1997 Sec. 102(e) Date Nov. 14, 1997 PCT Filed Jan. 12, 1996 PCT Pub. No. WO96/24771 PCT Pub. Date Aug. 15, 1996A side channel pump has an impeller and a housing which closely encloses the impeller on both sides in the axial direction and about its circumference. Fluid inflow and discharge ports are provided on a first side of the impeller. The side channel is arranged at the second side of the impeller and directly communicates with the inflow port through the impeller. The downstream end of the side channel is connected to the discharge port by a rerouting channel that bypasses the impeller.

IPC 1-7
F04D 5/00

IPC 8 full level
F04D 5/00 (2006.01)

CPC (source: EP US)
F04D 5/002 (2013.01 - EP US); **F04D 5/007** (2013.01 - EP US); **F05B 2250/503** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
US 5913657 A 19990622; AT E171518 T1 19981015; AU 4486296 A 19960827; AU 695066 B2 19980806; CA 2212222 A1 19960815; CA 2212222 C 20050614; DE 29501872 U1 19960530; DE 59600600 D1 19981029; EP 0808424 A1 19971126; EP 0808424 B1 19980923; FI 107832 B 20011015; FI 973139 A0 19970729; FI 973139 A 19970729; NO 313110 B1 20020812; NO 973605 D0 19970805; NO 973605 L 19970805; WO 9624771 A1 19960815

DOCDB simple family (application)
US 87580797 A 19971114; AT 96900949 T 19960112; AU 4486296 A 19960112; CA 2212222 A 19960112; DE 29501872 U 19950206; DE 59600600 T 19960112; EP 9600128 W 19960112; EP 96900949 A 19960112; FI 973139 A 19970729; NO 973605 A 19970805