

Title (en)
SIDE CHANNEL PUMP

Title (de)
SEITENKANALPUMPE

Title (fr)
POMPE REGENERATIVE

Publication
EP 1131560 A1 20010912 (DE)

Application
EP 00969250 A 20000826

Priority
• DE 19943261 A 19990910
• EP 0008334 W 20000826

Abstract (en)
[origin: US6481958B1] In a feed pump designed as a side-channel pump, a blade chamber of an impeller has a contour which is formed by a radius and in which, as seen from the contour, the origin of the radius is located behind a center line of the blade chamber. A circulation flow thereby passes into the blade chamber with particularly low turbulences. The feed pump has particularly high efficiency as a result.

IPC 1-7
F04D 29/18

IPC 8 full level
F04D 5/00 (2006.01); **F04D 7/02** (2006.01); **F04D 29/18** (2006.01); **F04D 29/24** (2006.01)

CPC (source: EP KR US)
F04D 29/18 (2013.01 - KR); **F04D 29/188** (2013.01 - EP US)

Citation (search report)
See references of WO 0120169A1

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

DOCDB simple family (publication)
US 6481958 B1 20021119; AT E321209 T1 20060415; AU 7903700 A 20010417; BR 0007089 A 20010807; BR 0007089 B1 20090113; CN 1294360 C 20070110; CN 1321224 A 20011107; DE 19943261 A1 20010315; DE 50012450 D1 20060511; EP 1131560 A1 20010912; EP 1131560 B1 20060322; ES 2256046 T3 20060716; JP 2003509625 A 20030311; JP 4608165 B2 20110105; KR 100763055 B1 20071002; KR 20010080987 A 20010825; WO 0120169 A1 20010322

DOCDB simple family (application)
US 83168501 A 20010726; AT 00969250 T 20000826; AU 7903700 A 20000826; BR 0007089 A 20000826; CN 00801922 A 20000826; DE 19943261 A 19990910; DE 50012450 T 20000826; EP 0008334 W 20000826; EP 00969250 A 20000826; ES 00969250 T 20000826; JP 2001523521 A 20000826; KR 20017005917 A 20010510