

Title (en)

PUMPING PROCESS FOR OPERATING A MULTI-PHASE SCREW PUMP AND PUMP

Title (de)

PUMPVERFAHREN ZUM BETREIBEN EINER MULTIPHASEN-SCHRAUBENSPINDELPUMPE UND PUMPE

Title (fr)

PROCEDE DE POMPAGE PERMETTANT D'ACTIONNER UNE POMPE A BROCHE HELICOIDALE MULTIPHASE ET POMPE CORRESPONDANTE

Publication

EP 0699276 A1 19960306 (DE)

Application

EP 94913479 A 19940428

Priority

- DE 9400477 W 19940428
- DE 4316735 A 19930519

Abstract (en)

[origin: US5624249A] PCT No. PCT/DE94/00477 Sec. 371 Date Oct. 6, 1995 Sec. 102(e) Date Oct. 6, 1995 PCT Filed Apr. 28, 1994 PCT Pub. No. WO94/27049 PCT Pub. Date Nov. 24, 1994The invention relates to a pumping process for operating a multi-phase screw pump with at least one feed screw surrounded by a housing having at least one inlet on one side and at least one outlet at its top, in which the intake medium is conveyed parallel to the screw shaft in a continuous low-pulsed stream and continuously discharged at the outlet. This invention also relates to a multi-phase screw pump. In order to prevent the drawbacks usually occurring in dry running phases, the invention proposes that a partial liquid volume flow (liquid circulation) be separated on the pressure side and returned in metered quantities into the intake regions and thus kept in circulation.

IPC 1-7

F04C 2/16; **F04C 13/00**

IPC 8 full level

F04C 18/16 (2006.01); **F04C 2/16** (2006.01); **F04C 13/00** (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP KR US)

F04C 2/14 (2013.01 - KR); **F04C 2/16** (2013.01 - EP KR US); **F04C 13/00** (2013.01 - EP US); **F04C 2210/24** (2013.01 - EP US); **F05B 2210/13** (2013.01 - EP US)

Citation (search report)

See references of WO 9427049A1

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Designated contracting state (EPC)

AT CH DE DK ES FR GB IT LI MC NL SE

DOCDB simple family (publication)

US 5624249 A 19970429; AT E148772 T1 19970215; AU 6562994 A 19941212; BR 9406532 A 19960102; CA 2153385 A1 19941124; CA 2153385 C 20010522; DE 4316735 A1 19941124; DE 4316735 C2 19960118; DE 59401773 D1 19970320; EP 0699276 A1 19960306; EP 0699276 B1 19970205; JP 3655306 B2 20050602; JP H09500701 A 19970121; KR 100301419 B1 20011122; KR 960701303 A 19960224; NO 306077 B1 19990913; NO 953234 D0 19950817; NO 953234 L 19950817; RU 2101571 C1 19980110; WO 9427049 A1 19941124

DOCDB simple family (application)

US 53034595 A 19951006; AT 94913479 T 19940428; AU 6562994 A 19940428; BR 9406532 A 19940428; CA 2153385 A 19940428; DE 4316735 A 19930519; DE 59401773 T 19940428; DE 9400477 W 19940428; EP 94913479 A 19940428; JP 52479994 A 19940428; KR 19950703704 A 19950901; NO 953234 A 19950817; RU 95115138 A 19940428