

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

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Application

**EP 94913479 A 19940428**

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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.

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Citation (search report)

See references of WO 9427049A1

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CN109578271A; DE102005025816A1; DE102005025816B4; DE10350226A1; DE10350226B4; US7862315B2; US7810572B2; WO2005045189A1

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