

Title (en)

METHOD FOR PUMPING GAS-LIQUID MIXTURES AND PISTON PUMP

Title (de)

VERFAHREN ZUM PUMPEN VON FLÜSSIGKEITSMISCHUNGEN UND KOLBENPUMPE

Title (fr)

PROCEDE DE POMPAGE DE MELANGES DE GAZ ET DE LIQUIDES ET POMPE A PISTON

Publication

EP 1054155 A1 20001122 (EN)

Application

EP 99910888 A 19990120

Priority

- RU 9900017 W 19990120
- RU 98122022 A 19981208

Abstract (en)

Novelty in the invention is that during the intake stroke and the gas compression stroke a gas-liquid mixture is fed into the working chamber through a hydraulic channel from a zone at the outlet of the discharge valve of the working chamber. The hydraulic channel is made in a cut-off element of the discharge valve and is formed by means of a separator, filter, choke with adjustable hydraulic resistance and a bush with axial and radial holes.
<IMAGE>

IPC 1-7

F04B 19/06

IPC 8 full level

F04B 19/06 (2006.01); **F04B 23/06** (2006.01)

CPC (source: EP)

F04B 19/06 (2013.01)

Citation (search report)

See references of WO 0034654A1

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 1054155 A1 20001122; CN 1295651 A 20010516; RU 2155276 C1 20000827; WO 0034654 A1 20000615

DOCDB simple family (application)

EP 99910888 A 19990120; CN 99804593 A 19990120; RU 98122022 A 19981208; RU 9900017 W 19990120