

Title (en)

Control system for Membrane pump

Title (de)

Einrichtung zur Erfassung von Pumpenbetriebsparametern einer Membranfördereinheit

Title (fr)

Système de contrôle d'une pompe à membrane

Publication

EP 1156214 A1 20011121 (DE)

Application

EP 01111814 A 20010516

Priority

DE 10024116 A 20000518

Abstract (en)

Determination of operational parameters of membrane pumping installation, involves measuring the time dependent conductance of a resistor (1) attached to a membrane over one pumping period, to determine the chosen operational parameters. An Independent claim is also included for the apparatus for implementing the method, comprises a Wheatstone bridge whose resistance system incorporates the electrical resistance of an elastomer conductor loop attached to the pumping membrane.

Abstract (de)

Verfahren zur Erfassung von Pumpenbetriebsparametern einer Membranfördereinheit, wobei die Leitfähigkeit einer an einer Membran befestigten Widerstandseinrichtung zumindest über eine Pumpperiode als zeitabhängige Größe gemessen und diese Größe bei der Erfassung herangezogen wird. <IMAGE>

IPC 1-7

F04B 43/00

IPC 8 full level

F04B 43/00 (2006.01)

CPC (source: EP US)

F04B 43/0081 (2013.01 - EP US); **F04B 43/009** (2013.01 - EP US)

Citation (applicant)

WO 9506205 A1 19950302 - GORE & ASS [US]

Citation (search report)

- [A] DE 4336823 A1 19950504 - BRUNKE ULF DR ING [DE]
- [DA] WO 9506205 A1 19950302 - GORE & ASS [US]
- [A] WO 9117701 A1 19911128 - MEDEX INC [US]
- [A] FR 2736689 A1 19970117 - SAMES SA [FR]

Cited by

DE102006011346A1; US8043076B2; WO2017140418A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1156214 A1 20011121; US 2002006335 A1 20020117; US 6568912 B2 20030527; WO 0188376 A1 20011122

DOCDB simple family (application)

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