

Title (en)
HEATABLE DIAPHRAGM PUMP FOR GASES

Publication
EP 0279284 A3 19900131 (DE)

Application
EP 88101579 A 19880204

Priority
DE 3704700 A 19870214

Abstract (en)
[origin: US4790730A] Deposits and corrosion are to be avoided in a heatable diaphragm pump for smoke gases which are to be analyzed. A heatable pump head comprises a diaphragm chamber which is closed by a diaphragm. The diaphragm is driven by a motor through a connecting rod. The connecting rod is heated by controlled heating means and a temperature sensor. Transmission of measuring signals from the temperature sensor to a controller and the power supply to the heating means is permitted through U-shaped leaf springs.

IPC 1-7
F04B 45/04; **F04B 39/06**

IPC 8 full level
F04B 39/06 (2006.01); **F04B 45/04** (2006.01)

CPC (source: EP US)
F04B 39/06 (2013.01 - EP US); **F04B 45/04** (2013.01 - EP US)

Citation (search report)
• [A] DE 3426329 A1 19860130 - BERNATH TIBOR DIPL ING
• [A] FR 2052125 A5 19710409 - COMMISSARIAT ENERGIE ATOMIQUE

Cited by
FR2708676A1; US5461966A

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0279284 A2 19880824; **EP 0279284 A3 19900131**; DE 3704700 A1 19880825; US 4790730 A 19881213

DOCDB simple family (application)
EP 88101579 A 19880204; DE 3704700 A 19870214; US 15523188 A 19880212