

Title (en)
Heating assembly for getter pumps and gas purifiers

Title (de)
Heizungsaufbau für Getterpumpen und Gasreiniger

Title (fr)
Assemblage chauffant pour des pompes à sorbeur et des purificateurs de gaz

Publication
EP 0742370 A1 19961113 (EN)

Application
EP 96830262 A 19960507

Priority
IT MI950954 A 19950511

Abstract (en)
A heating assembly for getter pumps and gas purifiers, wherein a heating element (14) is housed in a sheath (50) formed with a wall portion of the chamber (112) of the pump comprising the heating element (14) mounted on a first flange (10); a second flange (40) on which the wall portion of the pump chamber is mounted which provides the sheath (50) for housing the heating element (14), with at least one gasket (30) being inserted for the gas-tight sealing between the first and the second flange (10; 40) coupled to each other. The heating element (14) is placed in a chamber (124) defined by the two flanges (10; 40) and gasket (30), in an air-tight condition with respect to the environment. Preferably the first flange (10) is made of a thermosetting plastic material. <IMAGE>

IPC 1-7
F04B 37/02

IPC 8 full level
F04B 37/02 (2006.01); **H05B 3/04** (2006.01)

CPC (source: EP)
F04B 37/02 (2013.01)

Citation (search report)
• [A] FR 2363714 A1 19780331 - BALZERS PATENT BETEILIG AG [LI]
• [A] US 5154582 A 19921013 - DANIELSON PHILIP [US]
• [DA] US 5320496 A 19940614 - MANINI PAOLO [IT], et al
• [DA] US 4137012 A 19790130 - DELLA PORTA PAOLO, et al

Cited by
WO2024028240A1; CN112169528A; KR20150070123A; CN107076133A; CN106133314A; RU2673834C2; WO2015150974A1; US9541078B2; WO2014060879A1; US9638183B2; WO2015198235A1; US9685308B2; EP0753663B1

Designated contracting state (EPC)
DE FR GB NL SE

DOCDB simple family (publication)
EP 0742370 A1 19961113; EP 0742370 B1 19990317; DE 69601746 D1 19990422; DE 69601746 T2 19990902; IT 1274478 B 19970717; IT MI950954 A0 19950511; IT MI950954 A1 19961111; JP H08315961 A 19961129

DOCDB simple family (application)
EP 96830262 A 19960507; DE 69601746 T 19960507; IT MI950954 A 19950511; JP 13569896 A 19960507