

Title (en)

CRYOPUMP AND METHOD OF OPERATING THIS CRYOPUMP

Publication

**EP 0250613 B1 19910717 (DE)**

Application

**EP 86108529 A 19860623**

Priority

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Abstract (en)

[origin: US4757689A] The invention relates to a cryopump having a casing (1), a gas inlet opening (8) to which a chamber (30) can be attached through a valve (31), a vacuum pump (18) connected through a valve (16) to the casing, a two-stage refrigerator (4) in the casing as cold source, and pumping surfaces (7, 9, 12, 13) which, on both of the refrigeration stages (5, 11) of the refrigerator, are equipped with an electrical heating means (23, 24). To achieve a great shortening of the time required for regeneration and start-up it is proposed that a sensor (41) be provided to monitor the pressure within the pump casing, and that a control unit (28) be present by which the operation of the cryopump can be monitored and controlled on the basis of the signals supplied by the sensor.

IPC 1-7

**F04B 37/08**

IPC 8 full level

**F04B 37/08** (2006.01)

CPC (source: EP US)

**F04B 37/08** (2013.01 - EP US); **Y10S 417/901** (2013.01 - EP US)

Cited by

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