

Title (en)

Gas partial pressure control for process optimisation

Title (de)

Partialdruckregelung von Gas zur Optimierung eines Verfahrens

Title (fr)

Contrôle des pressions partielles de gaz pour optimisation de procédé

Publication

EP 1669609 A1 20060614 (FR)

Application

EP 05300948 A 20051118

Priority

FR 0452853 A 20041203

Abstract (en)

A main regulation valve (24) controls total pressure of gas mixture in the vacuum enclosure (8) as a function of total pressure set point. An auxiliary regulation valve (29) held below a secondary pump (9), is controlled as a function of delivery pressure set point to modify delivery pressure of the pump and to adapt its pumping capacity selectively for adjusting the proportions of gases in mixture of the enclosure. An independent claim is also included for the controlling method of low pressure gas mixture in vacuum enclosure.

IPC 8 full level

F04D 19/04 (2006.01); **F04D 27/00** (2006.01)

CPC (source: EP US)

F04D 19/04 (2013.01 - EP US); **F04D 27/00** (2013.01 - EP US); **Y10T 137/0396** (2015.04 - EP US); **Y10T 137/86002** (2015.04 - EP US); **Y10T 137/86083** (2015.04 - EP US); **Y10T 137/86139** (2015.04 - EP US); **Y10T 137/87917** (2015.04 - EP US)

Citation (search report)

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- [A] FR 2854667 A1 20041112 - CIT ALCATEL [FR]
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 05300948 A 20051118; AT 05300948 T 20051118; DE 602005004640 T 20051118; FR 0452853 A 20041203; FR 2005050966 W 20051118; US 29196205 A 20051202; US 80496710 A 20100803