

Title (en)

METHOD FOR THE ADAPTATION OF A 2-STAGE CRYOGENIC PUMP TO A SPECIFIC GAS

Publication

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Application

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Priority

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Abstract (en)

[origin: EP0338113A1] The cryogenic pump (1) has a first refrigeration stage (4) to which pump faces (6, 7) are fixed and which is equipped with a heating device; in addition the cryogenic pump (1) has a second refrigeration stage (5) to which pump faces (10) are fixed and which during operation assumes a temperature of up to 20 K; in order to permit optimum pump characteristics with gases of differing vapour pressures, it is proposed that the heating device be controlled in such a way that the coldest point on the first refrigeration head (4) and/or its pump faces (6, 7) has a temperature which is 5 to 10 K higher than the vapour pressure temperature of the respective gas at maximum process pressure. <IMAGE>

IPC 1-7

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