

Title (en)

METHOD FOR CONTROLLING THE TEMPERATURE OF A VACUUM PUMP, AND ASSOCIATED VACUUM PUMP AND INSTALLATION

Title (de)

VERFAHREN ZUR REGELUNG DER TEMPERATUR EINER VAKUUMPUMPE UND ZUGEHÖRIGE VAKUUMPUMPE UND ANLAGE

Title (fr)

PROCÉDÉ DE CONTRÔLE DE LA TEMPÉRATURE D'UNE POMPE À VIDE, POMPE À VIDE ET INSTALLATION ASSOCIÉES

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Application

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Abstract (en)

[origin: WO2020078689A1] The invention relates to a method for controlling the temperature of a vacuum pump (2) of the dry type subjected to variable pumping loads, in which the temperature of the vacuum pump (2) is controlled by means of at least one cooling element (11a, 11b) coupled to the stator (5) according to a temperature setpoint and a measurement of the temperature of the stator (5), characterized in that the value of a parameter indicative of the pumping load and chosen from a current or a power drawn by the vacuum pump (2) is monitored to determine whether it is below a load threshold and, if the value of the parameter indicative of the pumping load is below the load threshold then the temperature setpoint is increased. The invention also relates to a vacuum pump of the dry type and to an installation.

IPC 8 full level

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Citation (search report)

See references of WO 2020078689A1

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