

Title (en)

CONTROL ARRANGEMENT AND METHOD FOR CONTROLLING A SENSORLESS MEMBRANE PUMP

Title (de)

STEUERUNGSANORDNUNG UND VERFAHREN ZUR STEUERUNG EINER SENSORFREIEN MEMBRANPUMPE

Title (fr)

DISPOSITIF DE COMMANDE ET PROCÉDÉ DE COMMANDE D'UNE POMPE À MEMBRANE EXEMPTÉ DE CAPTEURS

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Application

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Abstract (en)

[origin: WO2021008788A1] The invention relates to a control arrangement (13) for controlling a sensorless membrane pump (14). The invention furthermore relates to a method for controlling a sensorless membrane pump. The control arrangement (13) comprises a control fluid inlet (1) for connecting to a first control fluid reservoir (1A) having a pressure level which is higher than a reference pressure, a control fluid outlet (2) for connecting to a second control fluid reservoir (2A) having a pressure level which is lower than a reference pressure, a control fluid connection (8) for connecting a control fluid line for the sensorless membrane pump (14), wherein the control fluid inlet (1) is connected to a collection point (6) via a first proportional valve (3) and the control fluid outlet (2) is connected to the collection point (6) via a second proportional valve (4), wherein a mass flow sensor (5) is arranged between the collection point (6) and the control fluid connection (8), and wherein the control arrangement (13) furthermore comprises a control unit (12), which is connected for signal transmission to the first proportional valve (3), the second proportional valve (4) and the mass flow sensor (5).

IPC 8 full level

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