

Title (en)

METHOD FOR CALIBRATING THE SPEED OF AN ELECTRIC PUMP-DRIVE MOTOR

Title (de)

VERFAHREN ZUR KALIBRIERUNG DER DREHZAHLREGELUNG EINES ELEKTROMOTORS ZUM ANTRIEB EINER PUMPE

Title (fr)

PROCEDE D'ETALONNAGE DE LA REGULATION DE LA FREQUENCE DE ROTATION D'UN MOTEUR ELECTRIQUE POUR L'ENTRAINEMENT D'UNE POMPE

Publication

**EP 1082645 A1 20010314 (DE)**

Application

**EP 99917737 A 19990519**

Priority

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Abstract (en)

[origin: WO9961964A1] The inventive method regulates the speed of an electric motor that drives a conveyor unit for liquid or gaseous media e.g. a rotatory machine in the form of a pump or ventilator. The speed of the motor is regulated to meet chronologically variable energy requirements on the user side. The speed of the electric motor is determined by the output variable of a regulator. The current intensity received by the electric motor is measured and a signal representing each respective current intensity is generated and fed to the regulator as an input variable. The input variables are automatically calibrated in the regulator. This dispenses with fluidic sensors or long measuring sections. No detection of system characteristics is required either. This simplifies operation of said system, reduces costs and uses energy in an economical manner. The inventive method also provides highly efficient and stable regulation.

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