

Title (en)

CONTROL DEVICE FOR A MEMBRANE PUMP

Title (de)

REGELVORRICHTUNG FÜR EINE MEMBRANPUMPE

Title (fr)

DISPOSITIF DE REGLAGE D'UNE POMPE A MEMBRANE

Publication

**EP 1055071 A1 20001129 (DE)**

Application

**EP 99950623 A 19991005**

Priority

- DE 29821910 U 19981209
- EP 9907399 W 19991005

Abstract (en)

[origin: WO0034659A1] The invention relates to a control device for a membrane pump for feeding a filter press or similar consumers. The inventive device comprises an electric three-phase motor for driving the pump. Said motor is linked with the supply system via a frequency-adjustable frequency converter, said frequency converter having an analogous output at which an actual signal corresponding to the respective motor torque is output. The device further comprises a transmitter for the desired engine speed to whose input the desired signal is transmitted via an inverter. In said transmitter a curve is stored which describes a correlation between the motor torque and the engine speed in such a manner that the curve for the engine speed runs along a constant maximum value at small actual signal values and gradually decreases to a minimum value once a predetermined value for the actual signal is reached. The inventive device also comprises an attenuation step for the actual signal.

IPC 1-7

**F04B 49/06**; H02P 7/628

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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