

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

F04B 43/02 (2006.01); **F04B 49/06** (2006.01)

CPC (source: EP US)

F04B 49/065 (2013.01 - EP US); **F04B 2203/0207** (2013.01 - EP US); **F04B 2207/044** (2013.01 - EP US)

Citation (search report)

See references of WO 0034659A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 29821910 U1 19990204; DE 59910519 D1 20041021; EP 1055071 A1 20001129; EP 1055071 B1 20040915; ES 2226450 T3 20050316; JP 2002531774 A 20020924; US 6344722 B1 20020205; WO 0034659 A1 20000615

DOCDB simple family (application)

DE 29821910 U 19981209; DE 59910519 T 19991005; EP 9907399 W 19991005; EP 99950623 A 19991005; ES 99950623 T 19991005; JP 2000587082 A 19991005; US 60182100 A 20000808