

Title (en)

DOSING PUMP WITH AN ELECTRIC MOTOR

Title (de)

DOSIERPUMPE MIT EINEM ELEKTROMOTOR

Title (fr)

POMPE DE DOSAGE POURVUE D'UN MOTEUR ELECTRIQUE

Publication

EP 1301710 B2 20160810 (DE)

Application

EP 01972410 A 20010713

Priority

- DE 10035834 A 20000721
- IB 0101880 W 20010713

Abstract (en)

[origin: WO0208601A2] The invention relates to a dosing pump with a synchronous motor with a mechanical gear for reducing the motor drive and converting the rotation movement of the motor into a reciprocating movement to drive a membrane pump. An electronic controller is arranged on the motor, which controls the pumped amount by means of external impulses. The controller works in such a fashion that a full working cycle of the pump is continually carried out, when the required pumped amount, based on the received impulses is as large or larger than amount which the pump can deliver in one working cycle.

IPC 8 full level

F04B 13/00 (2006.01); **F04B 49/06** (2006.01)

CPC (source: EP US)

F04B 13/00 (2013.01 - EP US); **F04B 49/06** (2013.01 - EP US)

Citation (opposition)

Opponent :

- DE 3313993 A1 19841018 - LANG APPARATEBAU GMBH [DE]
- DE 3138478 A1 19820519 - TERUMO CORP [JP]
- DE 19823156 A1 19991202 - LANG APPARATEBAU GMBH [DE]

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

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