

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)

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DOCDB simple family (publication)

**WO 0208601 A2 20020131**; **WO 0208601 A3 20020620**; AU 9217701 A 20020205; DE 10035834 A1 20020207; DE 50109888 D1 20060629; EP 1301710 A2 20030416; EP 1301710 B1 20060524; EP 1301710 B2 20160810; JP 2004504543 A 20040212; JP 4493911 B2 20100630; US 2004028530 A1 20040212; US 6948914 B2 20050927

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