

Title (en)

Method of operating an electronic dosing system and dosing system for carrying out the method

Title (de)

Verfahren zum Betreiben eines elektronischen Dosiersystems und Dosiersystem zur Durchführung des Verfahrens

Title (fr)

Procédé d'opération d'un système de dosage électronique et système de dosage pour la mise en oeuvre du procédé

Publication

EP 0999432 B1 20040707 (DE)

Application

EP 99120656 A 19991019

Priority

DE 19850841 A 19981104

Abstract (en)

[origin: EP0999432A2] The method involves reading or writing device-specific parameters or user parameters or routines for operating processes or a program or at least part of a program in to a read-write memory (20). The hand dosing device (42) may be remotely operated. The hand dosing device (42) has a drive device (1) with an electric drive (7) and at least one displacement device (2) that can be driven by the drive device to dose fluid. A software-driven electronic control unit (3) operates the drive device and has at least one non-volatile read-write memory (20). An electric power supply (29) is provided for the electric drive and the control unit. A data interface (17) connected to the control unit has a data processor and a data transfer device, which has a data interface to connect the data interface of the dosing device to the data processor. An Independent claim is included for a dosing system.

IPC 1-7

G01F 11/02; **B01L 3/02**

IPC 8 full level

B01L 3/02 (2006.01); **G01F 11/02** (2006.01); **G01F 13/00** (2006.01); **G01N 35/10** (2006.01); **G06F 9/445** (2006.01)

CPC (source: EP US)

B01L 3/0227 (2013.01 - EP US); **B01L 2300/027** (2013.01 - EP US)

Citation (examination)

- US 5187990 A 19930223 - MAGNUSSEN JR HAAKON T [US], et al
- US 5658250 A 19970819 - BLOMQUIST MICHAEL L [US], et al
- WO 9116974 A1 19911114 - BIOHIT OY [FI]
- US 5662612 A 19970902 - NIEHOFF KENNETH J [US]
- US 4908017 A 19900313 - HOWSON DAVID C [US], et al
- US 4333458 A 19820608 - MARGULIES HERMAN, et al
- US 5454268 A 19951003 - KIM YOUNG S [US]
- J.-L. Eiselé, Preparation of Protein Crystallization Buffers with a Computer-Controlled Motorized Pipette: PIPEX, J. Appl. Cryst. 26, 92-96 (1993) mit Broschüre B1. "edp plus motorized microfilter pipette", copyright 1989.
- Bedienungsanleitung zum "ECoCheck H2Os TM"
- Bedienungsanleitung zum "ECoCheck H2O2 TM"
- Produktbeschreibung der Sartorius AG betr. die thermogravimetrische Feuchtmessung durch Infrarottrocknung
- Praktikum "Biochemische Methoden in der Zellbiologie", 17.-28. September 2001, Giessen
- "Anleitung zum Praktikum 'Instrumentelle Analytik'", LMU München, Ausgabe Wintersemester 2000/2001
- "Trockensäfte: Tipps und Tricks"; ein Service von FORUMpharmazie

Cited by

DE102012102918A1; WO2012045416A1; DE102007010299B4; EP1452849A1; CN103249487A; EP1398604A1; EP2112479A3; EP1449586A1; CN107250736A; EP3851191A1; EP1714116A4; DE102007010299A1; US7651664B2; EP2112479A2; WO2012045417A3; WO2005052781A3; DE102010047826A1; WO2012045417A2; DE102010047126A1; WO2012045418A1; DE102010047829A1; US9415387B2; DE102010047828A1; WO2012045415A1; WO2013150064A1; WO2005052781A2; US7976793B2; US8122779B2; EP3539665A1; WO2019175189A1

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