Title (en)

A peristaltic pump for supplying fluid products and a method for controlling said pump

Title (de)

Peristaltische Pumpe zur Förderung von Fluidprodukten und Verfahren zur Steuerung dieser Pumpe

Title (fr)

Pompe péristaltique pour fournir des produits fluides et procédés de contrôle de cette pompe

Publication

EP 2085615 A1 20090805 (EN)

Application

EP 08101184 A 20080131

Priority

EP 08101184 A 20080131

Abstract (en)

A method for controlling a peristaltic pump for the supply of fluid products comprises the following stages in combination with one another: calibration of the peristaltic pump by calculating a series of pairs of values each formed by the volume of product supplied (V i) and the number of strokes of the rotor (X i) needed to obtain this volume, calculation, by an interpolation operation, of the intermediate values with respect to each pair of values (V i , X i) obtained at the calibration stage, calculation of a predetermined volume to be supplied (V), searching for the closest interpolated value (V dispensed) and calculation of the number of corresponding strokes (X dispensed), and actuation of the actuator means to carry out the supply of the required volume of fluid product.

IPC 8 full level

F04B 49/00 (2006.01); **F04B 43/12** (2006.01)

CPC (source: EP)

F04B 43/0081 (2013.01); **F04B 43/1253** (2013.01)

Citation (applicant)
- US 2007059184 A1 20070315 - BACH DAVID T [US]
- WO 9110934 A1 19910725 - BAXTER INT [US]
- US 5733257 A 19980331 - STERNBY JAN [SE]

Citation (search report)
- [DA] US 2007059184 A1 20070315 - BACH DAVID T [US]
- [DA] WO 9110934 A1 19910725 - BAXTER INT [US]
- [DA] US 5733257 A 19980331 - STERNBY JAN [SE]
- [A] US 2005180856 A1 20050818 - BACH DAVID T [US]
- [A] GB 1326373 A 19730808 - IVAC CORP
- [A] US 4830218 A 19890516 - SHIRKHAN HAMID [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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