

Title (en)

MULTI-SETTING PUMP WITH DELAYED SETTING SWITCHING FUNCTION

Title (de)

MEHREINSTELLUNGSPUMPE MIT SCHALTFUNKTION MIT VERZÖGERTER EINSTELLUNG

Title (fr)

POMPE À PLUSIEURS RÉGLAGES AVEC FONCTION DE COMMUTATION À RÉGLAGE RETARDÉ

Publication

EP 4202225 A1 20230628 (EN)

Application

EP 22212107 A 20221208

Priority

CN 202111588703 A 20211223

Abstract (en)

A multi-setting pump, comprising a pump part (1) driven by a motor (2), the multi-setting pump having multiple settings which at least comprise a high setting and a low setting, wherein the multi-setting pump further comprises a control unit (3), comprising: a control board for controlling operation of the motor and the pump part, a frequency changer for controlling a drive current of the motor, and a setting control module integrated in the control board or frequency changer; a low-setting operating situation condition and a high-setting operating situation condition are set in the setting control module; the setting control module is configured to perform a down-switching operation after a down-switching delay when the low-setting operating situation condition is met, and/or perform an up-switching operation after an up-switching delay when the high-setting operating situation condition is met.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [IA] US 2016346462 A1 20161201 - ADAMS GRANT [US], et al
- [A] DE 102012009136 A1 20131107 - BOSCH GMBH ROBERT [DE]
- [A] DE 102014001981 A1 20150820 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA

Designated validation state (EPC)

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DOCDB simple family (publication)

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