

Title (en)

COMPACT, LIGHTWEIGHT, BATTERY OPERATED, SELF-PRIMING, POSITIVE DISPLACEMENT PUMP

Title (de)

KOMPAKTE, LEICHTE, BATTERIEBETRIEBENE, SELBSTANSAUGENDE VERDRÄNGERPUMPE

Title (fr)

POMPE À DÉPLACEMENT POSITIF À AMORÇAGE AUTOMATIQUE, ALIMENTÉE PAR PILE, LÉGÈRE ET COMPACTE

Publication

EP 2850323 A4 20160217 (EN)

Application

EP 13791209 A 20130516

Priority

- US 201261647694 P 20120516
- US 2013041335 W 20130516

Abstract (en)

[origin: US2013309099A1] Compact, lightweight, battery operated, self-priming, positive displacement pump for storing in a toolbox or tool belt includes an elongated housing having a longitudinal axis, and an inline configuration including a positive displacement pump assembly to respond to a motor assembly drive torque, self-prime, and pump fluid from an input port to an output port, a motor assembly to respond to signaling and provide the motor assembly drive torque, a pump control interconnect assembly to provide the signaling to control the operation of the motor assembly by current based on run dry mode or over current, by time based on a timer set to run for an amount of time, or voltage based on over/under voltage; and a rechargeable battery housing/assembly to respond to recharging signaling and with a rechargeable DC power supply and power control module for providing some combination of inrush, overcharging, over-discharging, short circuit, over current protection.

IPC 8 full level

F04B 17/03 (2006.01); **F04B 17/06** (2006.01); **F04B 49/06** (2006.01); **F04C 14/00** (2006.01)

CPC (source: CN EP US)

F01C 21/007 (2013.01 - EP US); **F04B 17/03** (2013.01 - CN EP US); **F04B 17/06** (2013.01 - CN EP US); **F04B 49/06** (2013.01 - CN US); **F04B 49/065** (2013.01 - EP US); **F04C 11/008** (2013.01 - EP US); **F04C 14/28** (2013.01 - EP US); **F04C 2240/30** (2013.01 - EP US); **F04C 2240/81** (2013.01 - EP US); **F04C 2270/80** (2013.01 - EP US)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2013173573A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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