

Title (en)

PISTON LIMIT SENSING AND SOFTWARE CONTROL FOR FLUID APPLICATION

Title (de)

KOLBENANSCHLAGERFASSUNG UND SOFTWARE-STEUERUNG ZUM AUFBRINGEN EINER FLÜSSIGKEIT

Title (fr)

DÉTECTION DE LIMITE DE PISTON ET COMMANDE LOGICIELLE POUR APPLICATION DE FLUIDE

Publication

EP 3452228 A4 20200101 (EN)

Application

EP 17815861 A 20170511

Priority

- US 201662353165 P 20160622
- US 201715468611 A 20170324
- US 2017032084 W 20170511

Abstract (en)

[origin: WO2017222666A1] A liquid delivery system (900) is presented. The liquid delivery system (900) comprises a source of fluid coupled to an outlet. The liquid delivery system also includes a hydraulic cylinder (912) coupled to the source of fluid. The hydraulic cylinder has a piston (914) movable between a first limit position and a second limit position during an operational cycle. The hydraulic cylinder (912) is configured to pressurize fluid received from the source of fluid, and deliver the pressurized fluid to the outlet. The liquid delivery system (900) also comprises a rod connected to the piston and extending out of the cylinder. The liquid delivery system (900) also comprises a sensor (916) configured to sense a position of the rod to provide a signal indication of the piston (914) with respect to the first position or the second position. An indication of the sensed position is provided to a controller (920), and the controller (920) is configured to send a control signal to initiate a normal operation loop based on the sensed position.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [X1] US 2006245942 A1 20061102 - HOFMANN WILHELM [DE], et al
- [X1] US 6017200 A 20000125 - CHILDS WILLARD D [US], et al
- [E] EP 3250824 A1 20171206 - WAGNER SPRAY TECH CORP [US]
- See references of WO 2017222666A1

Designated contracting state (EPC)

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