

Title (en)

FLUID DISPENSING PISTON PUMP

Publication

EP 0029634 B1 19840321 (EN)

Application

EP 80301060 A 19800402

Priority

CA 340642 A 19791126

Abstract (en)

[origin: EP0029634A1] A fluid dispensing piston pump (10) that is adapted to be cleaned in place without disassembly of the pump. During the cleaning operation the piston (22) of the pump is positioned in an area (30) of larger diameter at the base of a cylinder (20) such that the seal between the piston face and cylinder is broken. Seals (42) are provided for closing the upper end of the cylinder thereby allowing steam or a cleaning fluid which is introduced through the inlet check valve (18) to fill the cylinder and sterilize the piston face (34) and stem members (35). Steam is then discharged through a outlet check valve (24).

IPC 1-7

B67C 3/20; **B65B 3/32**; **B67C 3/26**

IPC 8 full level

F04B 53/00 (2006.01); **B67C 3/00** (2006.01); **B67C 3/20** (2006.01); **B67C 3/26** (2006.01); **F04B 15/00** (2006.01)

CPC (source: EP)

B67C 3/002 (2013.01); **B67C 3/206** (2013.01); **B67C 3/26** (2013.01)

Cited by

EP0479559A1; EP0263075A1; EP0242119A1; FR3010400A1; EP0401407A1; KR100809219B1; FR2601327A1

Designated contracting state (EPC)

BE CH DE FR GB LI NL

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EP 0029634 A1 19810603; **EP 0029634 B1 19840321**; AU 543118 B2 19850404; AU 6467280 A 19810604; CA 1105773 A 19810728; DE 3067090 D1 19840426; DK 152283 B 19880215; DK 152283 C 19880711; DK 496980 A 19810527; JP S5696183 A 19810804

DOCDB simple family (application)

EP 80301060 A 19800402; AU 6467280 A 19801125; CA 340642 A 19791126; DE 3067090 T 19800402; DK 496980 A 19801121; JP 16577180 A 19801125