

Title (en)

Fluid dispensing piston pump.

Title (de)

Kolben-Dosierabfüllpumpe für Flüssigkeiten.

Title (fr)

Pompe doseuse à piston pour fluides.

Publication

EP 0029634 A1 19810603 (EN)

Application

EP 80301060 A 19800402

Priority

CA 340642 A 19791126

Abstract (en)

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)

Citation (search report)

- DE 2308689 A1 19740905 - BREITNER ABFUELLANLAGEN KG MAS
- GB 2020737 A 19791121 - STRUNCK GMBH & CO MASCHINENFAB, et al
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Cited by

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Designated contracting state (EPC)

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