

Title (en)
MULTIPLE PISTON PUMP

Title (de)
PUMPE MIT MEHREREN KOLBEN

Title (fr)
POMPE A PISTONS MULTIPLES

Publication
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Application
EP 96910484 A 19960320

Priority
• US 9603777 W 19960320
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Abstract (en)
[origin: WO9629515A1] A reciprocating piston pump (10) provides pulseless delivery of liquid. It is suitable for use in compact environments or for the delivery of small amounts of liquid. The pump includes two pistons (18, 48) with pumping chambers that are alternately connected to inflow and outflow lines through a control valve (100). The control valve moves between a first position in which inflow is directed to the first piston chamber and outflow to the second piston chamber, and a second position in which outflow is directed to the first piston chamber and inflow is directed to the second piston chamber. A rotating cam (80) moves the pistons of the pump and the control valve between their operating positions described above. The cam rotates around an axis that is parallel to the axis of movement of the piston pumps. A control surface is carried by and rotated by the cam in one embodiment.

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F04B 1/14 (2013.01); **F04B 1/146** (2013.01); **F04B 1/18** (2013.01); **F04B 11/0066** (2013.01)

Citation (search report)
• [X] DE 515359 C 19310102 - FEINMASCHB G M B H
• [X] FR 1522530 A 19680426
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• [XA] US 2969810 A 19610131 - DUDLEY EDWARD C
• See references of WO 9629515A1

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