

Title (en)
DOUBLE ACTING PNEUMATICALLY DRIVEN ROLLING DIAPHRAGM PUMP

Title (de)
DOPPELWIRKENDE PNEUMATISCH ANGETRIEBENE ROLLMEMBRANPUMPE

Title (fr)
POMPE A PISTON A COMMANDE PNEUMATIQUE ET MEMBRANE A ENROULEMENT

Publication
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Application
EP 97932611 A 19970715

Priority
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Abstract (en)
[origin: WO9802659A1] A reciprocating pump includes a housing (12) having an annular passage extending therethrough between opposed open ends, and a piston (22) is disposed within the annular passage between glands positioned at each open end. A pressurizing chamber assembly is disposed at each housing end and includes a chamber head that is attached to respective housing ends. A pressurizing member is disposed within each chamber head and is attached to respective opposite ends of the piston. The pressurizing member, and an inside surface of a respective chamber head, form a pressurizing chamber therebetween. The pressurizing member is of a one-piece construction, having a solid nose portion (18) and a hollow skirt (104). The hollow skirt has a flanged end that is interposed between a respective chamber head and housing end to form an air- and liquid-tight seal therebetween.

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