

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

- US 9712338 W 19970715
- US 68352896 A 19960715

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.

IPC 1-7

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IPC 8 full level

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Citation (search report)

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- [A] EP 0286404 A2 19881012 - EATON SA MONACO [MC]
- [PA] EP 0882921 A2 19981209 - FURON CO [US]
- [PA] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 06 30 June 1997 (1997-06-30)

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DOCDB simple family (publication)

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