

Title (en)

Sealing device for a high pressure pump.

Title (de)

Abdichtungsvorrichtung für eine Hochdruckpumpe.

Title (fr)

Dispositif d'étanchéité pour une pompe à haute pression.

Publication

EP 0095448 A1 19831130 (EN)

Application

EP 83850025 A 19830203

Priority

SE 8201452 A 19820309

Abstract (en)

A sealing device in a piston pump working at high pressure, e.g. for use in so-called High Performance Liquid Chromatography (HPLC), the pump comprising a piston (1) which carries out a reciprocating motion through a cylindrical sealing (6) in the displacement chamber (2) of the pump whereby the piston (1) at the side of the sealing (6) opposite to the displacement chamber (2) is surrounded by a sealed annular slot (9) which could be washed by a washing medium so as to remove residual products of the pump medium passing the sealing from the piston.

IPC 1-7

F04B 15/00; F04B 21/00

IPC 8 full level

F04B 53/00 (2006.01); **F04B 53/16** (2006.01); **F16J 15/16** (2006.01)

CPC (source: EP)

F04B 53/164 (2013.01)

Citation (search report)

- GB 1400601 A 19750716 - HOFFMANN LA ROCHE
- AT 349903 B 19790510 - MESSER GRIESHEIM GMBH [DE]

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CN103975161A; EP1483031A4; US5129790A; US4970284A; EP0341784A3; GB2218474A; US9689384B2

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