

Title (en)

Hydraulically actuated membrane pump with limitation of the membrane stroke

Title (de)

Hydraulisch angetriebene Membranpumpe mit mechanischer Membranhubbegrenzung

Title (fr)

Pompe à membrane à entraînement hydraulique avec limitation mécanique de la course de la membrane

Publication

EP 0641935 B1 19970903 (DE)

Application

EP 94108469 A 19940601

Priority

DE 4327970 A 19930819

Abstract (en)

[origin: EP0641935A1] A hydraulically actuated diaphragm pump has a diaphragm (1) which consists of at least two individual layers (1a, 1b). Said individual layers are clamped, at least in their central zone, between a discharge chamber-side and a hydraulics chamber-side linkage member (25, 26) and are thereby mechanically linked to one another. The linkage members (25, 26) are further linked to a spool valve (pilot valve, control valve) (19) of a leakage replenishment device which is controlled by the position of the diaphragm, the spool valve being guided so as to be displaceable in the pump body (2). <IMAGE>

IPC 1-7

F04B 43/067; F04B 43/00

IPC 8 full level

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CPC (source: EP US)

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