

Title (en)

MEMBRANE PUMP COMPRISING AN INLET OPENING THAT IS CONTROLLED BY THE MEMBRANE

Title (de)

MEMBRANPUMPE MIT EINER DURCH DIE MEMBRANE GESTEUERTEN EINLASSÖFFNUNG

Title (fr)

POMPE A MEMBRANE COMPORTANT UN ORIFICE D'ADMISSION REGLE PAR LA MEMBRANE

Publication

**EP 1175563 A1 20020130 (DE)**

Application

**EP 00931084 A 20000428**

Priority

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- EP 0003857 W 20000428

Abstract (en)

[origin: US6776591B1] A membrane pump (1) having a membrane (24) which can be actuated by a crank drive (32), which membrane bounds, together with a concave pump body surface (8), a pump chamber (38), an inlet channel (4) and an outlet channel (17) which open out at an inlet opening (9) and an outlet opening (20) in the pump body surface (8), the membrane (24) having a membrane core (25) and an elastically deformable membrane ring (26) and the membrane core (26) having a convex surface adapted to the pump body surface (8). The inlet opening (9) is arranged in the region of the pump body surface (8) which the membrane (24) first approaches upon an expulsion stroke of the crank drive (32), and the elastically deformable membrane ring (26) closes the inlet opening (9) before the attainment of top dead center of the crank drive (32).

IPC 1-7

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IPC 8 full level

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