

Title (en)

Diaphragm pump, particularly for the control of the water level in sites.

Title (de)

Membranpumpe, insbesondere für die Wasserhaltung auf Baustellen.

Title (fr)

Pompe à membrane, notamment pour le contrôle du niveau de l'eau aux chantiers.

Publication

**EP 0059937 A1 19820915 (DE)**

Application

**EP 82101652 A 19820304**

Priority

DE 3108516 A 19810306

Abstract (en)

1. Diaphragm pump, preferably a double diaphragm pump, in particular for the control of water on sites, wherein flexible diaphragms which are inclined towards one another in the shape of a V are clamped in housings which are arranged adjacent one another and which enclose a pump chamber provided in each case with an intake and pressure joint, the said diaphragms being able to be reciprocated by means of push rods coupled to a driven crankshaft, characterised in that each pump chamber is subdivided into a relatively short flow chamber (15) which has the pressure joint and the intake and into a diaphragm chamber (16) which is substantially separate therefrom, that the flow chamber is located at the deepest point of the section of the housing (11, 12) which encloses the diaphragm chamber, and that the diaphragm chamber, which is thus located high up in the housing, communicates with the flow chamber via a lower opening.

Abstract (de)

Bei einer zweistufigen Membranpumpe sind die Gehäuse (11, 12) jeder Pumpe nicht, wie bekannt, hintereinander in Reihe, sondern nebeneinander angeordnet. Die Membranen (17) stehen dabei V-förmig zueinander geneigt, und zwar etwa in einem Winkel von 45°. Durch diese Anordnung wird die Baulänge der Pumpe verkürzt und eine leichte und außerordentlich kompakte Bauweise ermöglicht.

IPC 1-7

**F04B 43/02**

IPC 8 full level

**F04B 43/02** (2006.01)

CPC (source: EP US)

**F04B 43/026** (2013.01 - EP US)

Citation (search report)

- FR 1423088 A 19660103 - NICOLAS & CO ETS
- DE 2306900 A1 19740815 - LOTHAR PRACHT GMBH & CO KG MAS
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- DE 1453543 A1 19690529 - KUTTIG ERNST
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- DE 871246 C 19530319 - DORR GES M B H

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