

Title (en)  
Pump unit

Title (de)  
Fördereinheit

Title (fr)  
Unité de pompage

Publication  
**EP 0759503 A3 19971015 (DE)**

Application  
**EP 96112506 A 19960802**

Priority  
DE 19530421 A 19950818

Abstract (en)  
[origin: EP0759503A2] The device has a main pump, a fore-pump, and an electric motor. The fore pump (11) and a drive shaft (6) of the electric motor (5) each have magnets. These are positioned opposite to each other, and are separated by the housing base (9) of the main chamber (1), which consists of a non-magnetisable material. Fore chamber (2) and main chamber (1) are connected by a rising pipe (17). The opening (18) of the pipe is at a distance to the main chamber housing base. The fore pump has a pump rotor (13) with magnets.

IPC 1-7  
**F02M 37/18**

IPC 8 full level  
**F02M 37/08** (2006.01); **F02M 37/18** (2006.01)

CPC (source: EP)  
**F02M 37/08** (2013.01); **F02M 37/18** (2013.01)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 7, no. 149 (M - 225) 30 June 1983 (1983-06-30)

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