

Title (en)
Pump.

Title (de)
Pumpe.

Title (fr)
Pompe.

Publication
EP 0011445 A1 19800528 (EN)

Application
EP 79302505 A 19791108

Priority
GB 7844135 A 19781110

Abstract (en)
In a pump capable of pumping water containing sand at a rate of 10 m³/h a piston (8) is mechanically reciprocated within a flexible sleeve (4) sealingly connected between a movable member (3) carrying the piston (8) and a fixed member (2) provided with an inlet port (11) and an outlet port (12), each having non-return valves. The sleeve (4) is of polymeric material, preferably rubber or a fluorocarbon, is capable of withstanding an internal pressure of at least 0.5 MPa, and has a life of at least 20 million cycles. The pump can be used for de-watering foundations in building construction.

IPC 1-7
F04B 43/08

IPC 8 full level
F04B 43/08 (2006.01)

CPC (source: EP)
F04B 43/084 (2013.01); **F04B 43/086** (2013.01)

Citation (search report)

- FR 1328970 A 19630607 - COMMISSARIAT ENERGIE ATOMIQUE
- US 2902944 A 19590908 - ETTEN NICHOLAS L
- US 2431007 A 19471118 - WOOD CHARLES E
- GB 498403 A 19390109 - CECIL WHEATLEY STANCLIFFE, et al

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US4718836A

Designated contracting state (EPC)
DE FR GB IT NL

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