

Title (en)
ELECTRICALLY POWERED PUMP UNIT

Publication
EP 0237145 A3 19880127 (EN)

Application
EP 87300290 A 19870114

Priority
GB 8600746 A 19860114

Abstract (en)
[origin: EP0237145A2] A single or double acting reciprocating pump has a plunger (12) constituted as the rotor of a linear electric motor, the stator being constituted by the pump casing in which the plunger (12) moves. The plunger (12) can be annular, the casing can then have a core around which the plunger is received, and rotor and stator windings (17, 15) can then be provided at either or both of inner and outer faces of the plunger (12). The plunger (12) can extend into a pump end of the pump through a seal (27) from a driving end in which the motor is located, the driving end being oil-filled. The pump is suitably embodied for use in a pipe stack in a fluid extraction apparatus.

IPC 1-7
F04B 17/04; **F04B 49/06**

IPC 8 full level
F04B 17/04 (2006.01)

CPC (source: EP US)
E21B 43/128 (2013.01 - EP US); **F04B 17/042** (2013.01 - EP)

Citation (search report)

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- [X] PATENT ABSTRACTS OF JAPAN, unexamined applications, field M, vol. 7, no. 71, March 24, 1983 THE PATENT OFFICE JAPANESE GOVERNMENT, page 73M202; JP-A-57 212 382 (NIPPON DENSHIN)

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Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0237145 A2 19870916; **EP 0237145 A3 19880127**; GB 8600746 D0 19860219

DOCDB simple family (application)
EP 87300290 A 19870114; GB 8600746 A 19860114