

Title (en)
Electrical fluid pump.

Title (de)
Elektrische Flüssigkeitspumpe.

Title (fr)
Pompe électrique à liquides.

Publication
EP 0288216 A1 19881026 (EN)

Application
EP 88303388 A 19880414

Priority
GB 8709082 A 19870415

Abstract (en)
The pump operates using an electromagnetically vibrated armature (26) with a central through-conduit (4) and passive valves (5,6,). The armature has a narrower extension (32) to operate the valves, through which the conduit also passes. In order to avoid fluid building up between the armature and its guide (13), and impeding the movements of the armature, at least one of these is irregularly shaped, to provide firstly longitudinal through paths for such fluid to be quickly scavenged and removed, and secondly, cooperating guiding surfaces which are bypassed by the fluid, and not subject to fluid build-up between them. Therefore, power losses through fluid build ups is avoided, without necessity for state of the art radial drilling of the armature (13).

IPC 1-7
F04B 17/04

IPC 8 full level
F04B 17/04 (2006.01)

CPC (source: EP)
F04B 17/046 (2013.01); **F01M 2001/0223** (2013.01)

Citation (search report)
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Designated contracting state (EPC)
CH DE ES FR GB IT LI

DOCDB simple family (publication)
EP 0288216 A1 19881026; EP 0288216 B1 19920415; DE 3870017 D1 19920521; ES 2030856 T3 19921116; GB 8709082 D0 19870520

DOCDB simple family (application)
EP 88303388 A 19880414; DE 3870017 T 19880414; ES 88303388 T 19880414; GB 8709082 A 19870415