

Title (en)
Pump drive

Title (de)
Pumpenantrieb

Title (fr)
Entrainement de pompe

Publication
EP 1602826 A1 20051207 (FR)

Application
EP 04405346 A 20040604

Priority
EP 04405346 A 20040604

Abstract (en)
The drive has a rotary-to-linear conversion mechanism to convert rotary into translation movement. The mechanism has a rotary unit and a piston unit (7) that is intended to move a piston of a pump. A stepping motor (2) engages the piston unit to drive it in a linear reciprocating movement. The motor and the mechanism drive the rotary unit in a reciprocating angular movement at an angle of less than 360 degrees. An independent claim is also included for a method of controlling a pump drive.

Abstract (fr)
Un entraînement de pompe à membrane ou à piston comprend un moteur pas-à-pas (2) et un mécanisme de transformation du mouvement rotatif en mouvement translatif (6), comprenant un organe rotatif (4) et un organe de piston (7) destiné à déplacer un piston ou une membrane de la pompe, le moteur pas-à-pas comprenant un rotor couplé à l'organe rotatif, engageant l'organe de piston (7) afin de l'entraîner dans un mouvement essentiellement linéaire de va-et-vient. <IMAGE>

IPC 1-7
F04B 9/04; F04B 13/00

IPC 8 full level
F04B 9/02 (2006.01); **F04B 9/04** (2006.01); **F04B 13/00** (2006.01); **F04B 49/00** (2006.01)

CPC (source: EP US)
F04B 9/02 (2013.01 - EP US); **F04B 9/042** (2013.01 - EP US); **F04B 13/00** (2013.01 - EP US)

Citation (search report)

- [A] US 4930991 A 19900605 - BONNEYRAT ALAIN [FR], et al
- [A] DE 19849785 C1 20000316 - OTT KG LEWA [DE]
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- [A] US 4566868 A 19860128 - MENZIES BRUCE K [GB]
- [A] US 4925371 A 19900515 - GRIESMAR ANDRE R [FR]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1602826 A1 20051207; **EP 1602826 B1 20070627**; AT E365868 T1 20070715; DE 602004007247 D1 20070809; DE 602004007247 T2 20080228; US 2005244276 A1 20051103

DOCDB simple family (application)
EP 04405346 A 20040604; AT 04405346 T 20040604; DE 602004007247 T 20040604; US 13991105 A 20050527