

Title (en)

Multiple crank drive for power machines , especially for membrane pumps

Title (de)

Mehrfachkurbeltrieb für Arbeitsmaschinen, insbesondere für Membranpumpen

Title (fr)

Entraînement à manivelles multiples pour une machine motrice, particulièrement pour des pompes à membrane

Publication

EP 1156185 A3 20020508 (DE)

Application

EP 01110889 A 20010504

Priority

DE 10024546 A 20000518

Abstract (en)

[origin: EP1156185A2] The mechanism has a crankshaft (1) arranged in a casing (2), which has at least two support points (22,23) and is driven by a drive (24), such as a gear mechanism. The crankshaft drives the machine with a number of piston rods (18-20), each through a crank mechanism (3-5). The crank shaft is over-mounted in the casing (2). The support positions (22,23) of the crank shaft are on either side of the central crank mechanism (4).

IPC 1-7

F01B 1/00; **F04B 43/00**; **F04B 53/00**

IPC 8 full level

F04B 43/00 (2006.01); **F04B 53/00** (2006.01)

CPC (source: EP US)

F04B 43/00 (2013.01 - EP US); **F04B 53/006** (2013.01 - EP US); **Y10T 74/18208** (2015.01 - EP US); **Y10T 74/18248** (2015.01 - EP US); **Y10T 74/2173** (2015.01 - EP US); **Y10T 74/2174** (2015.01 - EP US)

Citation (search report)

- [X] US 2284645 A 19420602 - HUGH DUFFY CHARLES
- [A] DE 2913997 A1 19791018 - UNITED STIRLING AB & CO

Cited by

CN106438269A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1156185 A2 20011121; **EP 1156185 A3 20020508**; **EP 1156185 B1 20061213**; DE 10024546 A1 20011129; DE 10024546 B4 20040715; DE 50111612 D1 20070125; US 2001042422 A1 20011122; US 6598493 B2 20030729

DOCDB simple family (application)

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