Title (en)

Inertia driven turbine or pump

Title (de)

Maschine, begründet auf Rotorträgheitskräften, betrieben als Turbine oder als Pumpe

Title (fr)

Pompe ou turbine entrainée par l'inertie

Publication

EP 1255043 A3 20040908 (DE)

Application

EP 02076626 A 20020424

Priority

IT BZ20010024 A 20010430

Abstract (en)

[origin: EP1255043A2] Machine operating as a turbine or pump comprises a mechanism consisting of a crankshaft, a crank and a connecting rod to oscillate a rotor (R1), a self-closing pipe fixed to the rotor and connected to an inlet (SA) and an outlet (SB), and valves controlled by the mechanism. Preferred Features: The opening and closing mechanism of the valves comprises a shaft parallel to the rotor and having a side toothed arrangement, a plate fixed to the shaft for opening and closing the valve, and a cylindrical segment fixed to a supporting frame.

IPC 1-7

F04D 33/00; F04F 7/00

IPC 8 full level

F04D 33/00 (2006.01); **F04F 7/00** (2006.01)

CPC (source: EP)

F04D 33/00 (2013.01); **F04F 7/00** (2013.01)

Citation (search report)

- [A] EP 1094226 A1 20010425 - FRANCH GINO [IT]
- [A] EP 0964162 A1 19991215 - FRANCH GINO [IT]

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 1255043 A2 20021106; **EP 1255043 A3 20040908**; IT BZ20010024 A1 20021030; US 2002172592 A1 20021121

DOCDB simple family (application)

EP 02076626 A 20020424; IT BZ20010024 A 20010430; US 12878602 A 20020422