

Title (en)
DRIVING DEVICE FOR A CRANK GEAR MACHINE

Title (de)
ANTRIEBSVORRICHTUNG FÜR EINE PEDALMASCHINE

Title (fr)
DISPOSITIF D'ENTRAÎNEMENT D'UNE MACHINE A PEDALIER

Publication
EP 0980327 A1 20000223 (FR)

Application
EP 97945930 A 19971114

Priority

- FR 9702052 W 19971114
- FR 9613964 A 19961115
- FR 9613965 A 19961115
- FR 9613966 A 19961115

Abstract (en)
[origin: WO9822333A1] The invention concerns a driving device for a machine comprising a crank gear (3) actuated by a user's force, operating on the pedals (4) arranged at the free ends of two pedal cranks (5) integral with said crank gear (3), the latter being connected to a driving pinion (6) of a main wheel by means of a free intermediate gear wheel (8) comprising at least two toothed stages (8a, 8b) one of which (8b) is connected to the crank gear (3) and the other (8a) to a driving pinion (6) by any connecting means. The invention is characterised in that the intermediate gear wheel (8) includes at least one first toothed stage (8b) connected to the standard crank gear (3) and the diameter of which is not greater than that of said crank gear (3) and a second toothed stage (8a) connected to the driving pinion (6) of the wheel (7) and the diameter of which is greater than that of said crank gear (3), so as to obtain a velocity gain of the machine for a given torque supplied by the user.

IPC 1-7
B62M 9/04; B62M 1/02

IPC 8 full level
B62M 9/04 (2006.01); **B62M 11/00** (2006.01)

CPC (source: EP)
B62M 9/04 (2013.01); **B62M 11/00** (2013.01)

Citation (search report)
See references of WO 9822333A1

Designated contracting state (EPC)
BE DE DK ES FR GB IT NL

DOCDB simple family (publication)
WO 9822333 A1 19980528; EP 0980327 A1 20000223

DOCDB simple family (application)
FR 9702052 W 19971114; EP 97945930 A 19971114