



Espacenet

Bibliographic data: WO2010143987 (A1) — 2010-12-16

DEVICE FOR PROPELLING VEHICLES

Inventor(s): MAGALHAES DE LIMA JOSE MIGUEL [PT]; MAGALHAES MENDES JOAQUIM GABRIEL [PT] \pm (MAGALHAES DE LIMA, JOSE MIGUEL, ; MAGALHAES MENDES, JOAQUIM GABRIEL)

Applicant(s): UNIV DO PORTO [PT]; MAGALHAES DE LIMA JOSE MIGUEL [PT]; MAGALHAES MENDES JOAQUIM GABRIEL [PT] \pm (UNIVERSIDADE DO PORTO, ; MAGALHAES DE LIMA, JOSE MIGUEL, ; MAGALHAES MENDES, JOAQUIM GABRIEL)

Classification: - international: **B62K3/00; B62M1/24; B62M9/00**
- cooperative: **B62K3/005; B62M1/24; B62M9/02**

Application number: WO2010PT00022 20100531

Priority number(s): PT20090104642 20090608

Also published as: PT104642 (A) PT104642 (B)

Abstract of WO2010143987 (A1)

The system disclosed in this patent application makes it possible to move one or more driving wheels for propelling a vehicle, by actuating two pedals with an alternating linear movement. The system comprises a structure (1) for carrying the remaining components, and pedals (9 and 23) supported on slides (8 and 22) that are moved along two independent guides (7). The movement of the pedals (9 and 23) causes two pulleys (6 and 20) mounted on the axle (14) to rotate, each pulley being linked to the corresponding pedal by a line (5). The torque applied to the axle (14) is in turn transmitted to the axle (15) through another flexible element (4) that interconnects the two toothed wheels (12) and (13), causing the vehicle to move. This system can be used to convert an alternating linear movement into a rotational movement, of human or other origin, in particular for propelling vehicles and actuating machines.

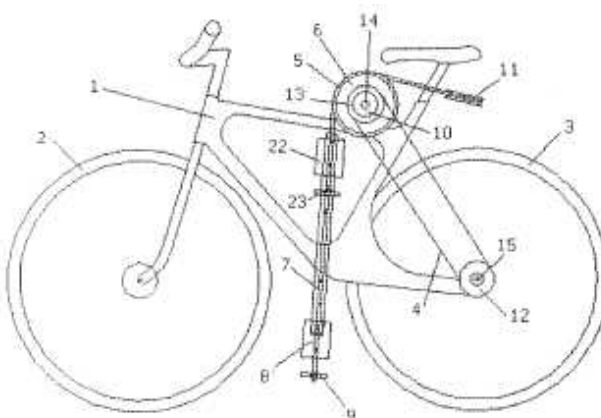


Figura 1

