

Title (en)
VEHICLE HAVING A PEDAL DRIVE AND A REVERSE GEAR MECHANISM

Title (de)
FAHRZEUG MIT PEDALANTRIEB UND UMKEHRGETRIEBE

Title (fr)
VÉHICULE À PROPULSION PAR PÉDALES ET ENGRENAGE INVERSEUR DE MARCHE

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Application
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Abstract (en)
[origin: WO2013023310A1] The invention relates to a vehicle (1) having a pedal drive (2), comprising: A) a vehicle frame (3) having a steering device (4); B) a first vehicle wheel (12) fastened to the steering device (4) by means of a first wheel axle (16); C) one or a plurality second vehicle wheels (13) which are fastened to the vehicle frame (3) by at least a second wheel axle (14); D) a braking device (5); E) a drive device (10) having a pedal crank (6) that can be driven by pedals (7), and a chain drive (9), belt drive or cardan drive mounted between the pedal crank (6) and the at least one second vehicle wheel (13); F) a freewheel clutch (11) which is mounted on the at least one vehicle wheel (13) or on the pedal crank (6) and which is in an engaged state in the drive mode during the forward movement of the pedals (7) so that a force is transmitted from the drive device (10) to at least a second vehicle wheel (13); and G) an optionally engageable and disengageable reverse gear mechanism (15), wherein an opposite rotational direction can be generated between the second vehicle wheel(s) (13) and the pedal crank (6) when the reverse gear mechanism (15) is in the engaged state; wherein H) the freewheel clutch (11) can be switched from the drive mode into a braking mode when the reverse gear mechanism (15) is in the engaged state so that, in the braking mode, the pedal crank (6) and the at least one second vehicle wheel (13) are connected to each other in a torsionally rigid manner.

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