Title (en)

METHOD FOR DRIVING A CURRENT SIGNAL

Title (de)

VERFAHREN ZUR ANSTEUERUNG EINES STROMSIGNALS

Title (fr)

PROCÉDÉ DE COMMANDE D'UN SIGNAL DE COURANT

Publication

EP 4347370 A1 20240410 (EN)

Application

EP 22734036 A 20220530

Priority

- IT 202100014564 A 20210604
- IB 2022055048 W 20220530

Abstract (en)

[origin: WO2022254309A1] Method for driving a current signal in an electric motor of a pedal-assisted bicycle, performed by generating an operating signal, representative of a time evolution of the instantaneous speed and/or instantaneous acceleration of the bicycle. The operating signal is filtered to obtain a filtered signal (F) identifying changes in time of instantaneous velocity and/or instantaneous acceleration at the filtering frequency alone. The filtered signal (F) is then processed to obtain an approximate signal (A) that is representative of a cyclist's effort and according to which a driving signal is generated for the electric motor.

IPC 8 full level

B62M 6/45 (2010.01); **B60L 50/20** (2019.01); **G01P 3/48** (2006.01)

CPC (source: EP)

B60L 15/20 (2013.01); **B60L 50/20** (2019.02); **B62M 6/45** (2013.01); B60L 2200/12 (2013.01); B60L 2240/12 (2013.01); B60L 2240/423 (2013.01); B60L 2240/429 (2013.01); B60L 2240/486 (2013.01); B60L 2250/26 (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022254309 A1 20221208; EP 4347370 A1 20240410; IT 202100014564 A1 20221204

DOCDB simple family (application)

IB 2022055048 W 20220530; EP 22734036 A 20220530; IT 202100014564 A 20210604