Title (en)

CONTROL SYSTEM FOR A HYBRID BICYCLE, AND HYBRID BICYCLE EQUIPPED WITH SUCH A CONTROL SYSTEM

Title (de)

STEUERUNGSSYSTEM FÜR EIN HYBRIDFAHRRAD UND MIT EINEM SOLCHEN STEUERSYSTEM AUSGERÜSTETES HYBRIDFAHRRAD

Title (fr)

SYSTÈME DE COMMANDE D'UNE BICYCLETTE HYBRIDE, ET BICYCLETTE HYBRIDE ÉQUIPÉE D'UN TEL SYSTÈME DE COMMANDE

Publication

EP 3817972 A1 20210512 (FR)

Application

EP 19735570 A 20190705

Priority

- FR 1870808 A 20180705
- FR 1870807 A 20180705
- EP 2019068090 W 20190705

Abstract (en)

[origin: WO2020008027A1] The invention relates to a control system (100) for a hybrid bicycle (101) comprising at least one data processing unit (106, 106'), said processing unit (106) being configured so as to control (203; 204) said motor (105) on the basis of an analysis, with a time interval less than or equal to one millisecond, of each topographical variation (a) so as to deliver an instantaneous control signal (203; 204) for said motor (105), which may be a signal to adaptively and gradually increase the power (203) delivered by said motor (105) of said hybrid bicycle (101), in order to boost the assistance provided to the user during pedalling when said topographical variation (a) is representative of an incline, or a braking control signal (403) when said topographical variation (a) is representative of a descent (202). Said processing unit (106, 106') also takes into account at least one item of information representative of the weight of the cyclist using said bicycle in order to adapt said instantaneous control signal.

IPC 8 full level

B62M 6/50 (2010.01); **B60L 50/20** (2019.01)

CPC (source: EP)

B62M 6/50 (2013.01)

Citation (search report)

See references of WO 2020008027A1

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

DOCDB simple family (publication)

WO 2020008027 A1 20200109; EP 3817972 A1 20210512

DOCDB simple family (application)

EP 2019068090 W 20190705; EP 19735570 A 20190705