

Title (en)

DRIVE CONTROL OF AN ELECTRICALLY MOTORISED BICYCLE

Title (de)

ANTRIEBSSTEUERUNG EINES ELEKTRISCHBETRIEBENEN FAHRRADS

Title (fr)

COMMANDE D'ENTRAÎNEMENT D'UN VÉLO À MOTEUR ÉLECTRIQUE

Publication

**EP 2663466 A2 20131120 (EN)**

Application

**EP 12700141 A 20120113**

Priority

- EP 11151026 A 20110114
- EP 2012050521 W 20120113
- EP 12700141 A 20120113

Abstract (en)

[origin: EP2476575A1] A drive system (20) for a motorised bicycle (10) which comprises an electrical motor (18) for driving the motorised bicycle (10). The electrical motor (18) has a first electric overload power limit which constitutes a limit for electrical power supplied to the electric motor (18) above which first electric overload power limit the electric motor (18) reaches a thermal overload on a long term basis. A battery (22) is provided for supplying electric drive power to the electrical motor (18) for driving the bicycle (10). The battery (22) has a second electric overload power limit which constitutes a limit of electric power drawn from the battery (22) above which second electric overload power limit the battery (22) reaches a thermal overload on a long term basis. A control unit is connected to the electrical motor (18) and the battery (22) for controlling the supply of the electric drive power from the battery (22) to the electrical motor (18) and for exclusively selecting a first level of the electric drive power from a first range of electric drive power levels. The first range of electric drive power levels has a maximum power level being equal to or smaller than the first electric overload power limit and/or the second electric overload power limit.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2012095528A2

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