

Title (en)
METHOD FOR CONTROLLING OPERATION OF A HYBRID AUTOMOTIVE VEHICLE AND VEHICLE ADAPTED TO SUCH A METHOD

Title (de)
VERFAHREN ZUR STEUERUNG DES BETRIEBS EINES HYBRIDAUTOS UND AN EIN DERARTIGES VERFAHREN ADAPTIERTES AUTO

Title (fr)
PROCÉDÉ DE COMMANDE DU FONCTIONNEMENT D'UN VÉHICULE AUTOMOBILE HYBRIDE ET VÉHICULE ADAPTÉ À CE PROCÉDÉ

Publication
EP 2509813 A1 20121017 (EN)

Application
EP 09806037 A 20091208

Priority
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Abstract (en)
[origin: WO2011070390A1] This method for controlling operation of a hybrid automotive vehicle (1) is equipped with an internal combustion engine (10), an electric machine (20), an electronic control unit (40) and at least one electrically powered auxiliary equipment (50). Each of said internal combustion engine (10) and said electric machine (20) is adapted to deliver torque to a driveline (30) of the vehicle (1). This method comprises at least the following steps: a) forecast of the upcoming operations of electrically fed auxiliary equipments (50) of the vehicle (1); b) estimation of future electrical energy needs for the auxiliary equipments (50) to execute the upcoming operations forecast at step a); c) comparison between the energy needs estimated at step b) and the actual status of electrical energy production of the vehicle (1), its electrical energy consumption and the state of reserve of electrical energy on-board the vehicle (1); d) forecast of a possible electrical energy shortage on the basis of the comparison at step c); e) if a shortage of electrical energy is forecast at step d), generation of extra torque by the internal combustion engine (10).

IPC 8 full level
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Citation (search report)
See references of WO 2011070390A1

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