

Title (en)

Device and method for the on-line prediction of the driving cycle in an automotive vehicle

Title (de)

Verfahren und Vorrichtung zur Online-Vorhersage des Fahrzyklus in einem Automobil

Title (fr)

Dispositif et procédé pour la prédiction en ligne du cycle d'entraînement dans un véhicule automobile

Publication

EP 2610836 A1 20130703 (EN)

Application

EP 12382494 A 20121212

Priority

ES 201132144 A 20111230

Abstract (en)

The invention relates to a device and method for the on-line prediction of the driving cycle in an automotive vehicle. The method comprises: - a step of data pre-processing (200): # receiving the vehicle speed (V sp); # receiving traffic information (HTI) of the expected path in a prediction horizon (H); # obtaining (212) a reference driving cycle (V pat); # calculating (208) the deviation (DV sp) of the speed (V sp) with respect to the reference driving cycle (V pat); - a step of data processing by means of a neural network (202) for recursively obtaining the expected deviations (D * V sp) for the prediction horizon (H); - a step of data post-processing (204) which comprises obtaining the estimated speed (V* sp) for said prediction horizon (H) from the expected deviations (D*V sp) and the reference driving cycle (V pat) for the prediction horizon (H).

IPC 8 full level

G08G 1/01 (2006.01)

CPC (source: EP ES)

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