

## 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)

**G08G 1/0129** (2013.01 - EP ES)

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BA ME

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