

Title (en)  
METHOD AND SYSTEM FOR DETERMINING THE DRIVING SITUATION

Title (de)  
VERFAHREN UND SYSTEM ZUR ERMITTLUNG DER FAHRSITUATION

Title (fr)  
PROCEDE ET SYSTEME POUR DETERMINER UNE SITUATION DE CONDUITE

Publication  
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Application  
**EP 04765557 A 20040922**

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Abstract (en)  
[origin: WO2005052883A1] The invention relates to a method and a system for determining the driving situation of a motor vehicle by using data provided in said motor vehicle, particularly on a data bus (1) of the motor vehicle, said data indicating the value of at least one state variable (V, ...) of the vehicle. According to the invention, in an effort to relieve the driver, a data set (V (t3), V (t2), V (t1), V (t0), ) indicating the history of the at least one state variable is provided in a first step. In a second step, a neural network (3) is provided in the motor vehicle by means of a computer that is programmed accordingly. The neural network (3) encompasses at least one input layer and an output layer, each of said layers being provided with a plurality of perceptrons. In a third step, the respective value of the at least one state variable (V,...) of the corresponding point in time, preferably a normalized value, is fed to one respective perceptron of the neural network (3). The current driving situation (4) is output by the perceptrons of the output layer of the neural network once said neural network has been trained.

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