

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
EP 1685546 A1 20060802 (DE)

Application
EP 04765557 A 20040922

Priority
• EP 2004010704 W 20040922
• DE 10354322 A 20031120

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.

IPC 8 full level
G08G 1/01 (2006.01)

CPC (source: EP US)
G05B 13/027 (2013.01 - EP US); **G08G 1/0104** (2013.01 - EP US)

Citation (search report)
See references of WO 2005052883A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 2005052883 A1 20050609; DE 10354322 A1 20050623; DE 10354322 B4 20220609; EP 1685546 A1 20060802; US 2006271269 A1 20061130; US 7386389 B2 20080610

DOCDB simple family (application)
EP 2004010704 W 20040922; DE 10354322 A 20031120; EP 04765557 A 20040922; US 43780706 A 20060522