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IFS - INTELLIGENT FRIEND SHIP

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IFS - INTELLIGENT FRIEND SHIP

Technical task:

Notification of the identification of a known person recognized in road traffic.

Initial situation:

Often the driver of a vehicle is greeted by oncoming or crossing drivers by hand signal, without being able to identify them. In another form, the driver perceives a known license plate in road traffic without being able to assign it to a specific person or group of users.

Solution:

The system IFS - intelligent friendship describes a procedure and a control unit for an assistance for the identification of a second vehicle and the associated user during a certain action. The starting point of the development is an automated recognition and communication to the driver of a motor vehicle, which person or which group of users passes or crosses their own vehicle oncoming with motor vehicles. The automated message occurs in particular when the oncoming driver of the vehicle sends a hand signal in the form of a greeting. The aim of the system is to provide the driver with an assistant which, in a first step, registers the license plate of the oncoming vehicle and, in a second step, assigns it to a person or group of persons, such as the "Schmidt" family or the "Huber" company, and, if necessary, in a third step, temporarily informs the driver of this in the event of a conspicuous hand movement in the form of a greeting via various output media.

The intelligent procedure and the control device are used to solve the problem of the following components of a motor vehicle:

- a front camera
- a data memory in the vehicle, setup, etc.
- any mobile terminal with an interface to the vehicle
- an output unit, a display, an audio system or an MMI

The overriding goal is a display and information assistance based on data storage in a manually maintained setup by the user of a motor vehicle. The user manually maintains a database, for example by entering the police registration number "IN-YY25" with the name "Herbert". In the case of a vehicle encounter, this name is displayed whenever "Herbert" shows a general gesture of greeting.

In a special version, the IFS system supports the structure of the database entries through the dialogue with an MMI, i.e. a voice input with an interface to the front camera. If, for example, a vehicle is recognized whose driver greets, a name and details can be assigned to the file entry in this way.

In another special version, the database can also be stored in an address book on a mobile device of the user and communicate with the IFS system via Bluetooth or another interface.

The IFS procedure is not intended to monitor or control motor vehicles and their users.

In the figurative sense, it describes a kind of intelligent personal address book with extended automated functions, which ensures a distraction of the primary steering and driving activity to be carried out in an increasingly narrow and stressful traffic area. With this system feature, the IFS system primarily increases road safety and enables more efficient, i.e. more flexible, networking of preferred road users from the circle of friends and acquaintances. This results in CO² savings by optimising and minimising the traffic movements of IFS users and increasing road safety by eliminating possible distractions from third road users.

Advantages:

- Intelligent, i.e. automated networking of preferred persons
- Increasing road safety
- CO² savings
- Unique customer experience with added value