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## STEERING WHEEL EQUIPPED WITH LARGE

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## STEERING WHEEL EQUIPPED WITH LARGE SENSORY AREA FOR ACTIVATION OF SHORTCUTS

### Technical task:

The task of the technical innovation is to provide a new intuitive switching point for important vehicle functions by means of touch-sensitivity on the steering wheel.

### Initial situation:

Shortcuts are now activated with separate buttons on the steering wheel or with voice commands.

Voice commands know misinterpretations. Under conditions such as talking to passengers, making phone calls or colds, voice commands are not optimal. Separate keys require extra space and weight and cause extra gaps (which in turn leads to unwanted visual complexity). In piloted vehicles, there is a greater distance between the seat and the retracted steering wheel, making a corresponding key more difficult to operate.

### Solution:

The steering wheel is provided with one or more (e.g., capacitive) touch sensitive surfaces fixedly connected to the leather rim. These surfaces follow exactly the contour of the steering wheel rim and / or the baffle pot. Touching these surfaces in some way activates or deactivates certain configurable functions.

In particular, the activation and deactivation of the piloted driving can take place via sliding on both sides („sliding“) with the hands via the steering wheel. By moving the hands down on both sides, the vehicle is brought into autonomous mode. And the reverse movement puts the vehicle back into manual mode.

Alternatively, other gestures may be implemented, such as wiping to the body for activation of manual driving and sweeping away from the body to activate piloted driving.

### Advantages:

- Simple intuitive operation (a „rough“ gesture), which can take place well in a change situation from piloted to manual and vice.
- Low risk of accidental activation.

### Possible application:

- All vehicles.
- In particular, but vehicles for piloted driving.

technical innovation

