Active vitality control

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ACTIVE VITALITY CONTROL

Technical task:
The task of the technical innovation is to increase the safety of automated vehicles.

Initial situation:
To ensure that the driver remains alert and focused in an autonomous vehicle, there are various warning systems such as „hands-on detection”, eyelash detection or fatigued pause recommendation.

Solution:
The technical innovation envisages that the driver and his fellow travelers actively keep fit while driving autonomously and that each passenger sees the self-generated energy turnover that he has developed with his muscular strength in the vehicle.

It is important to actively push or pull, generally to develop a pleasant muscular force that stimulates the body cycle or regenerates and possibly transforms the mechanical work into electrical energy, which then for the individual charging of small consum- mers such as Powerpack, Smartphone, Laptop etc. seat-related and individually the co-traveler can be made available.

The pressure forces can be selected via the operating menu in a new menu item under the „vitality control“ individual setting under distinction between comfort (soft) and dynamic (heavy).

Advantages:
- Pull / push elements in the vehicle interior, which are released according to the traffic situation.
- Increasing active safety in autonomous driving by maintaining physical fitness.
- Hands on the steering wheel or the paddles if necessary armrest center armrest.
- Higher vitality in long-distance driving / traffic jam on the highway / Pause recommendation hint comes later.
- Personalized, Seat-mounted Consumer Electronics Personalized Charging / Powerpack / Smartphone / ...

Possible application:
- Automated vehicles.