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DASHBOARD WITH CHILD SEAT RECEPTION

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DASHBOARD WITH CHILD SEAT RECEPTION

Technical task:

The task of the technical innovation is to integrate child seats as space-saving as possible into fully automated vehicles.

Initial situation:

It is known to attach child seats on the seats arranged in vehicles. This is done by so-called ISO-fix devices and / or the seat belt.

Autonomous vehicles will enable a completely new interior design in the future. Steering wheel / pedals / selector levers are in the future u. U. no longer part of a vehicle. Individual interior trim will also be needed in the future to make the vehicle appealing. Seats can be freely arranged in the vehicle.

Solution:

Mounted in the area of the instrument panel (1) are receivers (3), ideally standardized (for example ISO fix), which are firmly connected to the body (5) and can accommodate one or more child seats (2). These elements can be displaceable in all axes (x / y / Z (6) for better assembly).

The vehicle seats (4) thus remain free and can be used for additional passengers. The fasteners are ideally hidden, e.g. with a cover or extendable mounted, so as not to disturb the vehicle design. It is also conceivable to design this as a design element. Furthermore, in addition to the shots on the lower part of the seat in the upper dashboard area additional holder for the child seat / infant carrier can be attached.

Advantages:

- Child seat can be mounted in the vehicle, regardless of the seat arrangement.
- There are more people per vehicle.
- By drivers can move their own seats independently of the child seat and, if necessary, with the seat belt connected.
- Child seat is independent of seat belts of vehicle seats.
- Stable attaching the child seat in the vehicle.

Possible application:

- All fully automated vehicles.

technical innovation

