

Technical Disclosure Commons

Defensive Publications Series

February 08, 2018

VARIABLE FOOTREST / LEG PAD FOR AUTOMATED

Daniel Hoppe

Bertrandt Ingenieurbüro GmbH

Follow this and additional works at: http://www.tdcommons.org/dpubs_series

Recommended Citation

Hoppe, Daniel, "VARIABLE FOOTREST / LEG PAD FOR AUTOMATED", Technical Disclosure Commons, (February 08, 2018)
http://www.tdcommons.org/dpubs_series/1038



This work is licensed under a [Creative Commons Attribution 4.0 License](https://creativecommons.org/licenses/by/4.0/).

This Article is brought to you for free and open access by Technical Disclosure Commons. It has been accepted for inclusion in Defensive Publications Series by an authorized administrator of Technical Disclosure Commons.

VARIABLE FOOTREST / LEG PAD FOR AUTOMATED DRIVING LEVEL 3

Technical task:

The task of the technical innovation is to increase the comfort of automated driving.

Initial situation:

For this purpose, the driver should be allowed in partially automated driving to drop his legs.

Solution:

The technical innovation describes the use of floor slabs, which are intended to enhance comfort in automated driving.

If the driver's seat is pushed far backwards during automated driving, the driver can electrically bring the erectable plates accommodated in the front floor area into the desired position.

The plates can be adjusted so that they can be used either as a footrest or leg rest. In the case of the takeover request for automated driving in Level 3, the plates sink back into the ground and the driver can quickly return to his driving position. The front plate slides under the doormat in the front footwell. This protects the leg rest area from contamination.

This is achieved by connecting two plates to one hinge. The front and rear edges of the plate are independent of each other. Cable drives adjustable in length. => The footrest / leg pad can be freely adjusted in position and inclination.

Advantages:

- Greater comfort.

Possible application:

- All vehicles with level 3 automated driving.

technical innovation

Fußmatte unter die die Unterschenkelauflage geschoben wird



Unterschenkelauflage Fußauflage

