STORAGE COMPARTMENT FOR A CLEANING CLOTH IN THE MOTOR VEHICLE

Daniel Hoppe
Bertran dt Ingenieurbü ro GmbH

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STORAGE COMPARTMENT FOR A CLEANING CLOTH IN THE MOTOR VEHICLE

Technical task:
The object of the technical innovation is to provide a storage space for cleaning cloths to be dried in the vehicle.

Initial situation:
After the cleaning of motor vehicles in washing facilities, in most cases an additional subsequent cleaning of areas not accessible to the washing system is necessary (entrance, sill, interior...). As a rule, this cleaning is carried out manually by means of moist disposable or multi-path cloths. Most of the washing facilities have pitches with vacuum cleaners and a water connection.

If a vehicle is cleaned with a multi-path cloth, the subsequent accommodation in the vehicle is to be solved individually by each driver. Often packagings are used in which the cloths can not dry, which can lead to odor formation. An open storage of these cloths in the vehicle is an unfavorable solution in the absence of a storage provided for this purpose.

Solution:
A box or storage box permanently installed in the vehicle is provided for accommodating the cleaning cloth (for example, microfiber cloth), either a version of the box or shelf which is diffused for water vapor, or the accommodation of the box or shelf in a construction space in which the drying of the cloth is ensured. The rapid drying of the cloth prevents undesired odor formation.

Technical implementation:
As a single plastic box, the storage box can be fixedly or releasably connected to the vehicle via a holding concept. Alternatively, the integration into a different component is possible.

To avoid the formation of odors, ensure a fast drying of the cloth. Therefore, the storage box must be open for water vapor diffusion. For this purpose, a lining of the box is provided with a material which is air-permeable, but not water-permeable, e.g. an artificial fiber membrane, as one knows it from all-weather clothing. Alternatively, the fabric may also be applied to a material having water-absorbing properties, e.g. a nonwoven or a sponge material. As a result, the residual moisture of the flap can be absorbed by this material and thus not drip into the engine compartment or the passenger compartment.

In order to be able to guarantee the drying in winter as well as to avoid freezing of the damp cloth, the intended space should be exposed to hot air.

Possible building spaces for the storage box would thus be, for example, the engine compartment or the area of the rear vent.

Advantages:
- A dry multi-purpose cleaning cloth is always available in the vehicle for vehicle cleaning.
- There is no odor due to damp cloths in the interior.

Possible application:
- All vehicles.