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TECHNICAL POSSIBILITY TO REUSE SCENT CARTRIDGES FOR VEHICLE SCENTING UNITS

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TECHNICAL POSSIBILITY TO REUSE SCENT CARTRIDGES FOR VEHICLE SCENTING UNITS

Technical task:

The core idea is to ensure the reuse of fragrance cartridges. There can be different structural designs for this purpose. The cartridges must have at least a 2-part housing, contain a fragrance oil or fragrance flow and a chip card.

Initial situation:

Today's vehicles are equipped with simple scenting devices. These are mostly M-equipment and are currently used by the customer. During use, the scents are consumed and empty bottles are produced. These are changed and disposed of by the customer and/or in the service department of the car dealer.

The fragrance cartridges are disposed of after removal and new cartridges are then installed. During this process waste and costs are incurred by the customer.

Solution:

For the technical implementation a vehicle with scenting unit, a dismountable scent flacon as well as a control unit with appropriate software is necessary. In addition, a system or device for the conversion of the flacon (self-sufficient at e.g. a dealer)

The following variants would be conceivable:

- 1) Replacement of flow and reprogramming of the chip
- 2) Exchange of flow and chip (as a unit)
- 3) Scent flow is rewetted with scented oil and reprogramming of the chip

(No guarantee for completeness)

The replacement of the cartridges can be done at the dealer and/or by the customer himself.

Variant: Dealer

There are certified dealers who can make the exchange.

Variant: Independent execution by the customer

The customer receives an information where to send the bottle and will receive it promptly. The customer can exchange the cartridge himself using a deposit system.

Advantages:

- This device is intended to produce less waste. Thus the customer makes an active contribution to sustainability

Possible application:

- In all vehicles with a scenting unit