

# Active car seat upholstery

Ergonomics



CAR COMP. BODYWORK

UX/HMI

KEYWORDS

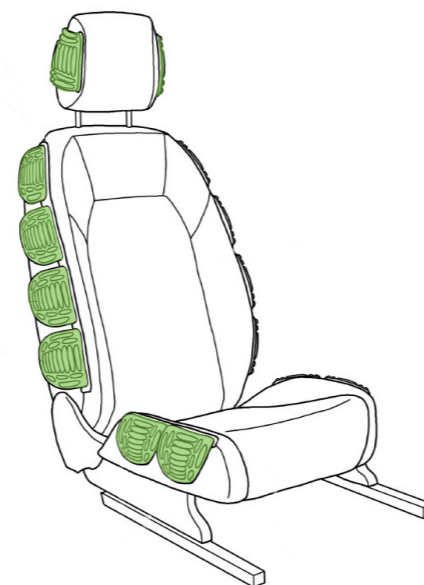
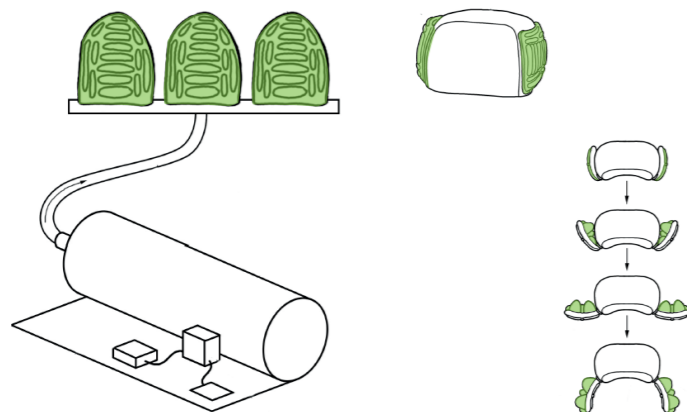
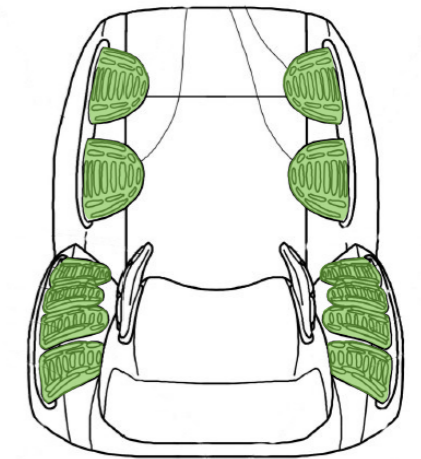
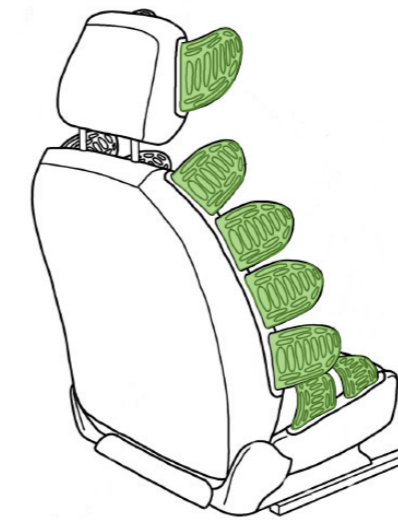
- ▶ Road type
- ▶ Active seats
- ▶ Seats
- ▶ Soft robots
- ▶ Flaps
- ▶ Deformable
- ▶ Comfort
- ▶ Headrest
- ▶ Comfort
- ▶ On the move

## Innovations/advantages

Passenger restraint, especially under sporty driving conditions, when the lateral accelerations that the passenger experiences can reach very high levels; The flaps are configured to fold in the contracted position around the passenger, to hold him or her firmly to the seat, even when strong lateral acceleration would tend to cause the passenger come out of the seat profile; Silicone-based polymeric material, comprising areas of varying density; Optimal lateral and/or front restraint action.

## Application field

OEMs;  
Suppliers.



## Product insight

- *This patent describes active car seat upholstery which, under sporty driving conditions, improve passenger ergonomics and comfort when subjected to, for example, high lateral accelerations. Restraint is guaranteed by a system equipped with flaps that can extend from a retracted position to a contracted position in order to come into contact with the passenger and limit both lateral and frontal movements.*

## Patent Information

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IPR Dossier n.A25

National patent filings

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