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CONTROL ELEMENT LIGHT MODULE INTEGRATED PANORAMA GLASS

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CONTROL ELEMENT LIGHT MODULE INTEGRATED PANORAMA GLASS

Technical task:

The idea is to integrate a control element and the reading light into the glass of the headliner.

Solution:

For this purpose, the control element is integrated relatively small and flat in the headliner of the vehicle. The conductors and the elements required for controlling the components are placed on the panorama glass of the roof so that they can be experienced.

These conductors can be freely designed (lettering, shape, visible/invisible). Possible designs of the printed circuit board can be created.

The control element itself feeds its energy via the conductor tracks.

The signal for the control element can be triggered via a touch area. The control element is printed onto the glass surface and the necessary components, such as LEDs, are fixed.

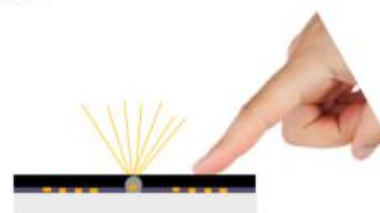
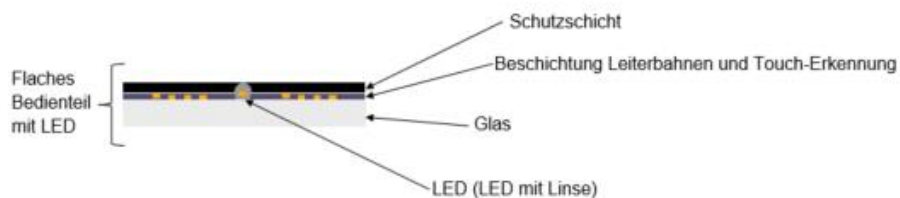
The conductors and components are then coated with a protective layer.

-> Full integration of operation and visualization in the glass!

Technology that can be experienced and seen.



Flat Push Button



Advantages:

- - Small package
- - Flat control element and flat light island (no clunky roof module)
- - Customer experience (make electronics visible)

Possible application:

- - Touch operation
- - Power supply via conductors (printed on glass)
- - Communication via Bluetooth low energy

