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October 2021

TABLE MODULE-FLEXIBLE TABLE FOR AUTONOMOUS DRIVING

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Recommended Citation

Unger, Axel, "TABLE MODULE-FLEXIBLE TABLE FOR AUTONOMOUS DRIVING", Technical Disclosure Commons, (October 01, 2021)

https://www.tdcommons.org/dpubs_series/4626



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TABLE MODULE - FLEXIBLE TABLE MODULE FOR AUTONOMOUS DRIVING

Technical task:

Users want a table while the vehicle is driving autonomously.

Initial situation:

Currently, there are no extendable tables for autonomously driving vehicles.

Solution:

Especially for e-vehicles, the installation space in the front part of the vehicle can be used alternatively by omitting the combustion engine.

Steer-by-wire means that no steering column is necessary and thus the installation space can be used alternatively.

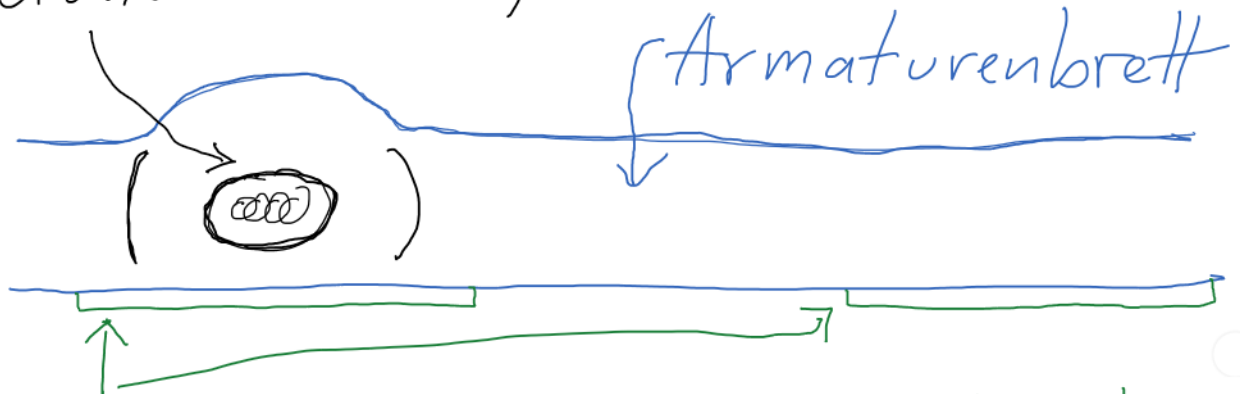
Advantage:

- A table that can be extended during autonomous driving if required.
- Crash safety, as the table can disintegrate into individual parts in the event of a crash

Possible application:

a) Condition before the tables are extended:

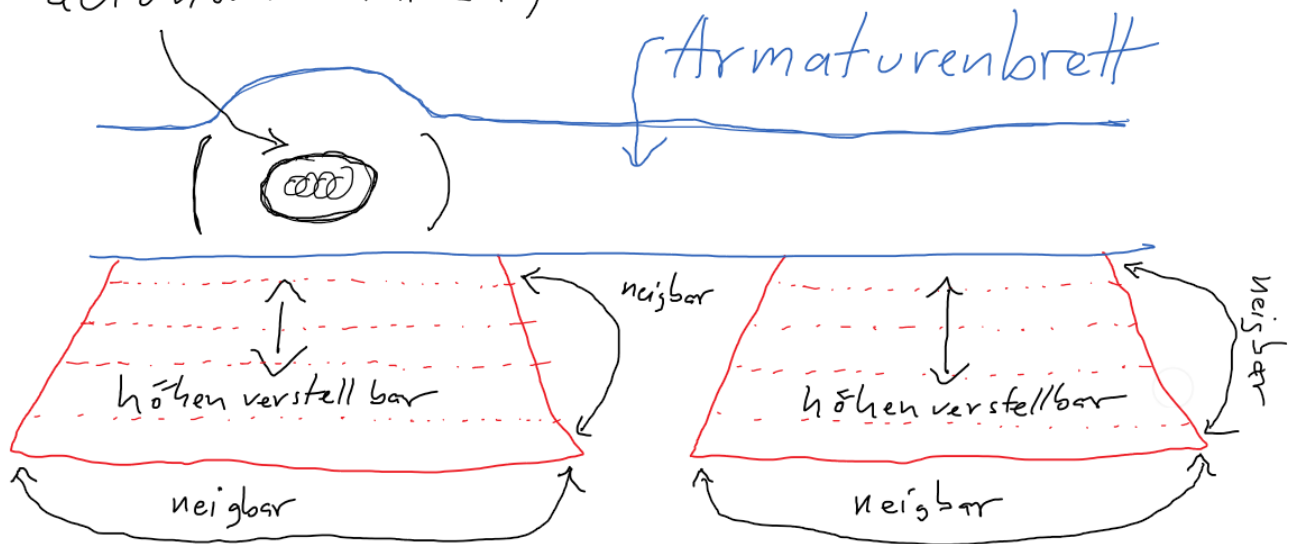
Eingefahrenes Lenkrad (im Modus autonomes Fahren)



Schlitze an der Unterseite des Armaturenbretts durch die die Tische aus- und eingefahren werden können.

b) Condition with tables extended:

Eingefahrenes Lenkrad (im Modus autonomes Fahren)



Tische im ausgefahrenem Zustand

Die Tische sind neigbar und höhenverstellbar innerhalb gewisser Limits

4.2 The table from a technical point of view (core idea):

Table Module ("TaMo") - side view:

Core idea for safety: In the event of a crash, the table disintegrates into its individual segments by breaking the tensioning wire fastening.

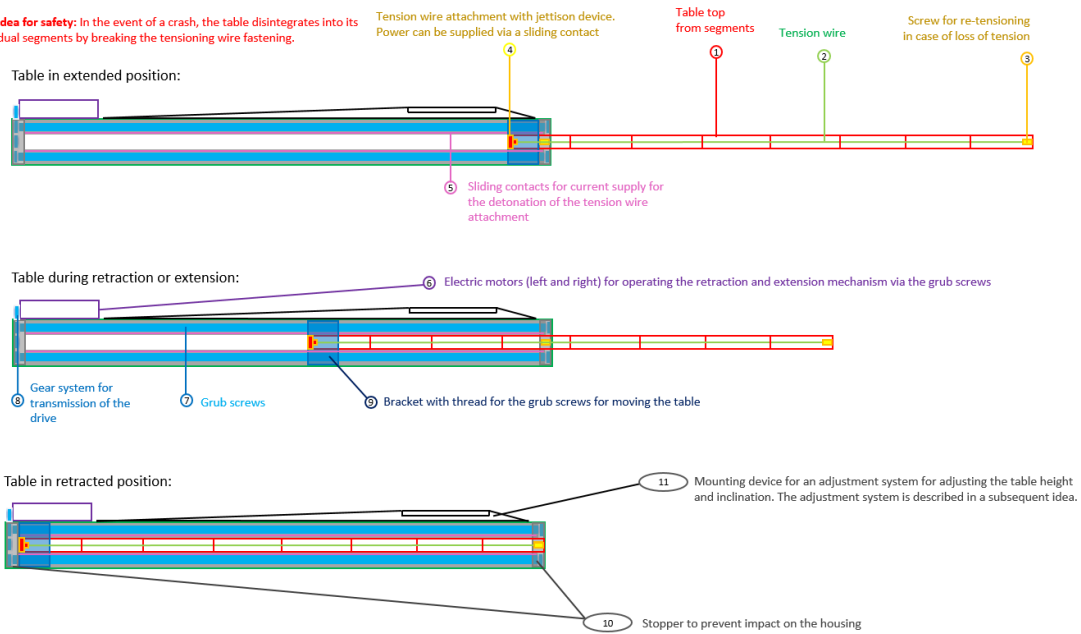


Table Module ("TaMo") - top view - table in extended position:

Core idea for safety: In the event of a crash, the table disintegrates into its individual segments by breaking the tensioning wire fastening.

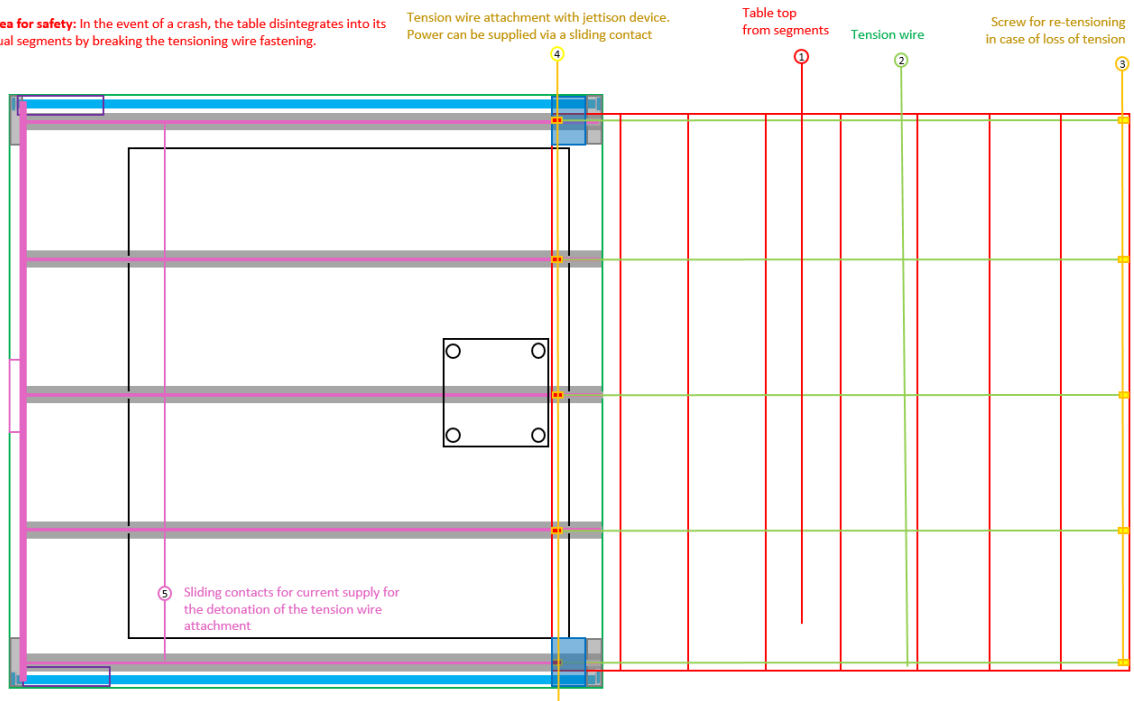


Table Module ("TaMo") - top view - table during retraction or extension:

Core idea for safety: In the event of a crash, the table disintegrates into its individual segments by breaking the tensioning wire fastening.

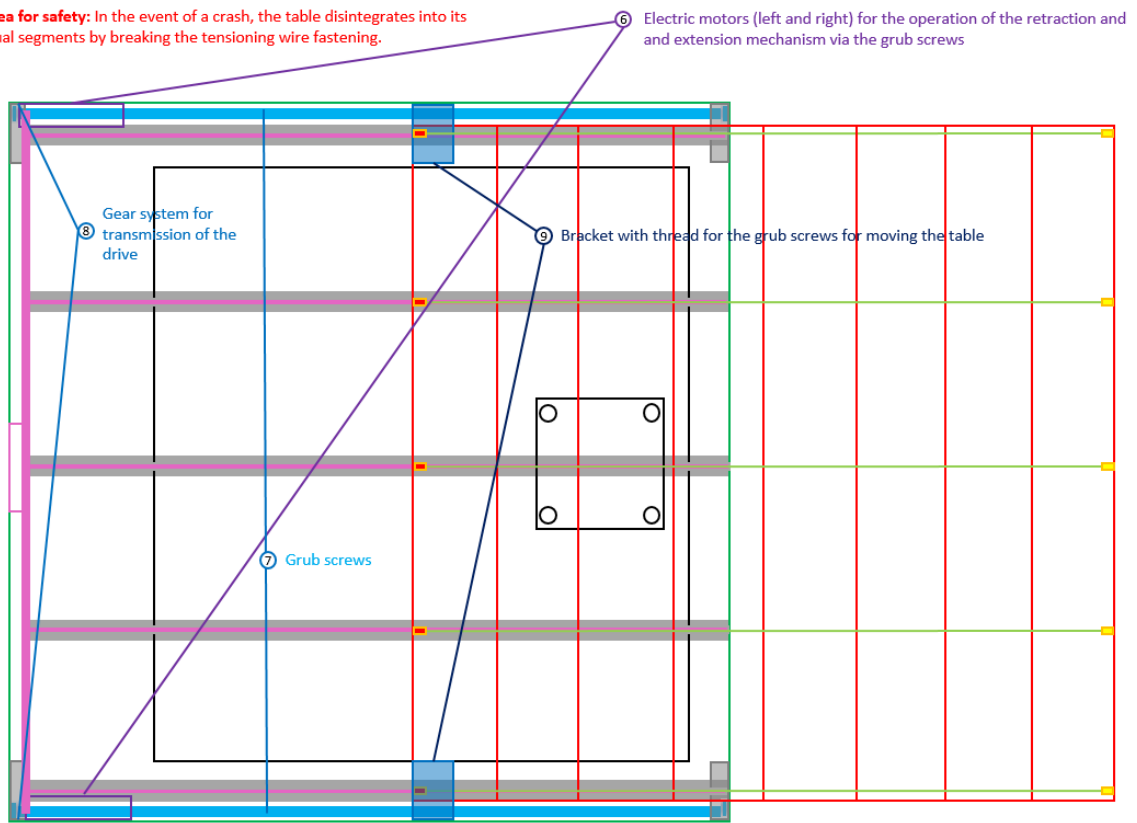


Table Module ("TaMo") - top view - table in retracted position:

Core idea for safety: In the event of a crash, the table disintegrates into its individual segments by breaking the tensioning wire fastening.

