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December 2020

AUTOMATIC HIDING OF PARKING SPACES

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Recommended Citation

Unger, Axel, "AUTOMATIC HIDING OF PARKING SPACES", Technical Disclosure Commons, (December 16, 2020)

https://www.tdcommons.org/dpubs_series/3892



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AUTOMATIC HIDING OF PARKING SPACES

Technical task:

In a modular assembly system, the semi-finished products are transported from one workstation to the next by a driverless transport system. If a vehicle does not have a driving job, it has to drive to a parking lot so as not to obstruct other vehicles. The parking spaces should be well distributed and also located near the workstations to have the shortest possible route to the next order. This applies in particular to stations outside the layout. If such a station is now defective or switched off, there is little point in driving to this parking lot.

Solution:

The new idea is to automatically recognize whether the road leading to a parking lot is still used for active driving jobs (i.e. not parking). If this is not the case, the corresponding parking place is hidden, i.e. as long as there are enough other parking places available and the route is not used.

Advantages:

- Avoidance of unnecessarily long journeys