

Title (en)

A planar reciprocating type parking system

Title (de)

Parkvorrichtung mit einer in einer Ebene hin- und hergehenden Bewegung

Title (fr)

Système de parage du type à mouvement alternatif plan

Publication

EP 1116837 A1 20010718 (EN)

Application

EP 01110331 A 19970314

Priority

- EP 97104398 A 19970314
- JP 6806696 A 19960325
- JP 7728896 A 19960329
- JP 8781096 A 19960410

Abstract (en)

In a planar reciprocating type parking system a carrier cart is adapted to travel reciprocally on a pair of rails laid on a transport aisle and carry a car-mounting tray. A plurality of car storage compartments are arranged in a row on each side of the transport aisle and each accommodates a tray. A tray transfer device is mounted on the carrier cart and is adapted to transfer the tray between the carrier cart and the car storage compartments. In a lift passage shaft communicating a car entry/exit floor with car parking floors a lift is installed which is adapted to raise or lower the tray. The lift is located at an arbitrary position on the transport aisle corresponding to one of the car storage compartments. At corners of the lift passage shaft guide rails are erected that vertically guide the lift. Lifting members move up or down the guide rails and are provided with support members that project inwardly of the lift passage shaft to support the tray. The pair of rails on the transport aisle are divided by the lifting members at locations where the lifting members pass through the rails. The divided portions are used as passage portions for the lifting members. The tray can be transferred between the lift and the carrier cart as the lifting members of the lift move up or down the guide rails. With such an arrangement the overall construction of the parking system is simplified and costs are reduced. <IMAGE>

IPC 1-7

E04H 6/24; **E04H 6/22**

IPC 8 full level

E04H 6/22 (2006.01); **E04H 6/24** (2006.01)

CPC (source: EP KR)

E04H 6/22 (2013.01 - EP KR); **E04H 6/24** (2013.01 - EP KR)

Citation (search report)

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- [A] WO 8909866 A1 19891019 - SKY PARK AB [SE]
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