Title (en)

PAKRING PLATE FRAME FOR NO DODGE TYPE PARKING DEVICE

Title (de)

PARKPLATTENRAHMEN FÜR WACKELFREIE PARKVORRICHTUNG

Title (fr)

CHASSIS DE PLAQUE DE STATIONNEMENT POUR DISPOSITIF DE STATIONNEMENT SANS HEURT

Publication

EP 2378036 A4 20130313 (EN)

Application

EP 09837307 A 20090805

Priority

- CN 2009073088 W 20090805
- CN 200920129290 U 20090112

Abstract (en)

[origin: EP2378036A1] A parking deck structure for a non-dodging three-dimensional (3D) parking garage is disclosed. The parking deck structure comprises a parking deck (18), a parking deck column (22), and a front roller (27), a rear roller (28) and side rollers (29) for supporting upward and downward movement of the parking deck (18) along a rotary column (17). The front roller (27) is mounted on the parking deck column (22), and the rear roller (28) is mounted on a rear elevating support (26). At both a left side and a right side of the parking deck column (22) is connected a wing plate (24, 25) respectively, and the side rollers (29) are mounted on the wing plates (24, 25) respectively. A side of each of the L-shaped wing plates (24, 25) that is away from the rotary column (17) is connected with the rear elevating support (26). With this arrangement, the parking deck structure of the present disclosure is simple in structure, has high bending resistance and a high capability to support the rollers, and is low in cost. Further, an end surface connecting plate (23) extending outwards is disposed at a lower end of the parking deck column (22), and the parking deck column (22) is joined to the parking deck (18) by means of the end surface connecting plate (23). Accordingly, the parking deck structure is easy to assemble and transport.

IPC 8 full level

E04H 6/06 (2006.01); **B66F 7/02** (2006.01)

CPC (source: EP US)

E04H 6/06 (2013.01 - EP US)

Citation (search report)

- [A] JP S6426469 U 19890215
- [A] FR 2666794 A1 19920320 - REIDENBACH ROGER
- [AD] CN 1563644 A 20050112 - LIANG BOTAO [CN]
- See references of WO 2010078749A1

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CN102535918A; CN108483331A

Designated contracting state (EPC)

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DOCDB simple family (publication)

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