

Title (en)

Mechanical underground car parks under streets and pedestrian areas

Title (de)

Mechanische Untergrund-Fahrzeuggarage unter Strassen und Fussgängerzonen

Title (fr)

Garage à voitures mécanique souterrain sous les rues et zones piétonnes

Publication

EP 1375783 A2 20040102 (EN)

Application

EP 03386016 A 20030620

Priority

GR 2002100310 A 20020625

Abstract (en)

The mechanical underground car parks under streets and pedestrian areas are constructed along the street, they consist of supporting walls, floor and roof of reinforced concrete, which form tunnels (1), (2), and (3) and they are used as an underground parking space for parking cars by mechanical means. <??>In all the cases, the car enters the enclosure (10) on the street level and passes through the rectangular opening that lies on the enclosure floor, descends inside the tunnel (1) by the assistance of a lever system (8) or elevator. <??>In the first case (fig. 1 and 2), the car is positioned on the platform (7) and then placed upon the trailer (6), which moves on the rails (5) to the first available vacant parking space inside the tunnels (1) and (2), after that, by the assistance of a lever system (9) or elevator, the platform with the car descends and is placed on the floor of the tunnel, and simultaneously the trailer (6) is released. For exiting the car park, the reversed procedure is followed. In the second case, that concerns fig.3, the continuous movement of a unique system of trailer-platforms (6) and (7) is used. The trailer-platforms (6) and (7) move continuously on two series of rails (5) that are found on different levels inside the tunnel (1) (fig.3), and by the assistance of a lever system (9) or elevator at both ends of the tunnel (1), they pass from one level to the other. During exiting the car park, the reversed procedure is followed.

<IMAGE>

IPC 1-7

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

IPC 8 full level

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CPC (source: EP)

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Cited by

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