

Title (en)

Automated parking system with movable platforms for supporting and transporting motor vehicles on previously selected parking positions

Title (de)

Automatisiertes Parksystem mit bewegbaren Bühnen für Aufnahme und Transport von Fahrzeugen zu vorher ausgewählten Parkplätzen

Title (fr)

Système automatique de parking avec plateformes mobiles pour le support des véhicules à moteur et leur déplacement vers des positions de parking préalablement sélectionnées

Publication

EP 1342867 A1 20030910 (EN)

Application

EP 03003823 A 20030220

Priority

IT TV20020019 A 20020222

Abstract (en)

Automated parking system with movable platforms for supporting and transporting motor-vehicles on previously selected parking positions, by means of centralized electronic control means adapted to select each parking position to be attained. Such system comprises a modular constructive structure which can be installed on urban centers, forming a plurality of motor-vehicle parking places, arranged aligned to each other also on to more planes overlapped to each other, which are communicating by means of elevator movable in a vertical direction. Such movable platforms are adapted to be loaded with a motor-vehicle at the inlet zone and to transport such vehicle toward the selected parking position. All these displacements are operated through control means. System comprising movement powered and transmission means (17) associated with each movable platform (11) and operated by said control means in a manner to determine the autonomous and independent displacement of the same movable platform through each parking plane of the parking system. <IMAGE>

IPC 1-7

E04H 6/22

IPC 8 full level

E04H 6/22 (2006.01)

CPC (source: EP)

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Citation (search report)

- [XA] US 5066187 A 19911119 - HAMMER HANS [DE]
- [XA] US 5069592 A 19911203 - GALPERIN LEV [CA]
- [A] FR 2129182 A6 19721027 - STEPHANOIS RECH
- [A] EP 0520917 A1 19921230 - SARAH ROBOTIQUE [FR]
- [A] US 5049022 A 19910917 - WILSON JACK S [CA]
- [A] EP 0277464 A1 19880810 - BATTISTINI MARINO

Cited by

CN111021796A; CN106121308A; WO2007007354A1; WO2018113806A1; DE102007034154A1; DE102007034154B4

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