

Title (en)

Automatic vehicle parking apparatus with means for storing and automatically removing vehicles.

Title (de)

Vorrichtung zum automatischen Parken von Fahrzeugen mit Mitteln zum Einstellen bzw. automatischen Abholen von Fahrzeugen.

Title (fr)

Dispositif de parcage automatique de véhicules, avec moyens pour stocker et enlever automatiquement les véhicules.

Publication

EP 0374104 A1 19900620 (EN)

Application

EP 89830504 A 19891117

Priority

IT 2293388 A 19881213

Abstract (en)

The present invention relates to an automatic parking apparatus with means for storing and automatically removing vehicles, characterized in that the apparatus comprises a fixed structure (1) including a plurality of compartments (2) for housing vehicles, communicating with a zone therethrough a lifting cab or platform (10) can be vertically displaced, the lifting platform having a top platform member (11) for removably supporting a vehicle (A) arranged on a carriage (20), and a lower or bottom platform member (12) for supporting an empty carriage (20'). On the lifting cab there are moreover provided means (30, 31, 32) for longitudinally displacing the carriage (20) and vehicle (A) supported thereon, as well as the empty carriage (20'), in order to selectively remove a vehicle from a compartment or arrange another vehicle in another compartment.

IPC 1-7

E04H 6/24

IPC 8 full level

E04H 6/24 (2006.01)

CPC (source: EP)

E04H 6/245 (2013.01)

Citation (search report)

- [X] GB 2166721 A 19860514 - COMAU SPA
- [Y] EP 0232725 A1 19870819 - SING PETER
- [A] GB 1102661 A 19680207 - SCHUECHTERMANN & KREMER
- [A] FR 2049554 A5 19710326 - JULLIEN ANTONIN

Cited by

DE202008014445U1; FR2701052A1; US5437536A; EP0501935A1; US5365704A; US5319895A; JP2016535185A; WO9420706A1; WO2010049165A1; WO2015061872A1; WO9503462A1; WO9206262A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR LI NL SE

DOCDB simple family (publication)

EP 0374104 A1 19900620; EP 0374104 B1 19930217; AT E85835 T1 19930315; DE 68904953 D1 19930325; DE 68904953 T2 19930603; ES 2038448 T3 19930716; IT 1227594 B 19910422; IT 8822933 A0 19881213

DOCDB simple family (application)

EP 89830504 A 19891117; AT 89830504 T 19891117; DE 68904953 T 19891117; ES 89830504 T 19891117; IT 2293388 A 19881213