

Title (en)

Multistorey automatic garage for motor vehicles.

Title (de)

Automatische mehrgeschossige Garage für Kraftfahrzeuge.

Title (fr)

Garage automatique à étages multiples pour véhicules à moteur.

Publication

EP 0314837 A1 19890510 (EN)

Application

EP 87202106 A 19871102

Priority

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Abstract (en)

The garage comprises a reception floor (12) and several parking floors (14, 16, 18); consignment docks and return docks (38, 40, 42; 44, 46, 48) at the reception floor, arranged to be accessible to the motor vehicles arriving at the reception floor; movable barriers (50, 52, 53) normally blocking access to and from each dock, and selectively switchable to allow access; several skids (54, 56, 58, 62, 64), normally placed in abutment of respective consignment docks, adapted to receive and support a vehicle arriving at the associated dock; magnetic card readers/markers (96) arranged at respective docks, and adapted to magnetically write at least a skid identification code a card of a user who has driven a vehicle onto a skid at a consignment dock and has inserted the card in the reader/marker, and adapted to read such code from a card that is inserted in the reader/marker of a return dock; several elevators (20) adapted to transfer a skid from one floor to another floor; several remotely controlled trucks (80, 82, 102, 104) movable on each of said floors, each truck being adapted to pick up a selected skid and transfer it from a desired dock to the elevator and vice versa; and a central controlling computer (108) for the movable barriers, the trucks and the elevators, and connected to the readers/markers.

IPC 1-7

E04H 6/22

IPC 8 full level

E04H 6/22 (2006.01)

CPC (source: EP)

E04H 6/22 (2013.01)

Citation (search report)

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- [A] DE 3342217 A1 19850530 - NAGLER METALLBAU GMBH [DE]
- [A] FR 2188226 A1 19740118 - LEON MOYANO RAFAEL [ES]

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