

Title (en)

An automated parking garage and an automobile lifting unit therefor.

Title (de)

Automatische Parkgarage und Fahrzeugaufzugseinheit dafür.

Title (fr)

Parking automatique et son unité de levage pour véhicules automobiles.

Publication

EP 0620338 A1 19941019 (EN)

Application

EP 94302503 A 19940408

Priority

KR 930006130 A 19930413

Abstract (en)

An automated parking garage has a pair of automobile lifting units (100, 100a) of multi-storied construction, each having a movable middle vehicle carrying pan (102) and a lower stationary vehicle carrying pan (104). The parking garage comprises a multistorey parking building (6) having a number of parking floors arranged on either side of a shaft in which the two lifting units (100, 100a) move. Power from a drive power generating unit (1) is used to drive the lifting units such that one lifting unit ascends as the other descends. Each pan (102, 104) has a pair of vehicle holding conveyor belts (104a), and a main drive shaft (201) for driving the holding conveyor belts also powers a pair of parking conveyor belts (104b) on a parking floor. A timing unit (170) controls the movement of the conveyor belts and causes the holding and parking conveyor belts (104a, 104b) to be stopped after moving a predetermined distance. A roll guider unit (180) is associated with each automobile lifting unit (100, 100a) for bridging the gap between a vehicle holding conveyor belt (104a) and a parking conveyor belt (104b). <IMAGE>

IPC 1-7

E04H 6/20

IPC 8 full level

E04H 6/18 (2006.01); **E04H 6/20** (2006.01)

CPC (source: EP)

E04H 6/20 (2013.01)

Citation (search report)

- [A] CH 403275 A 19651130 - SUEDEWESTFALEN AG STAHLWERKE [DE]
- [A] DE 1559244 A1 19690710 - ROUGEMONT RAOUL
- [A] US 1936212 A 19331121 - SCOTT HENARIE L

Cited by

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