

Title (en)
AUTOMATED PARKING GARAGE

Title (de)
AUTOMATISIERTE PARKGARAGE

Title (fr)
PARC DE STATIONNEMENT AUTOMATISE

Publication
EP 1855981 A4 20100526 (EN)

Application
EP 06720397 A 20060207

Priority
• US 2006004196 W 20060207
• US 5263105 A 20050207

Abstract (en)
[origin: US2005220594A1] An automated parking garage. The garage comprises a multi-floor building having a plurality of vehicle storage racks in a storage area for storing a loaded pallet or an unloaded pallet. An entrance-level floor of the building includes an entry/exit station (EES) on for receiving a vehicle, the EES having an exterior entrance through which the vehicle is driven and, an opposing interior entrance that provides access to the storage area and through which the loaded pallet is transported, the loaded pallet and unloaded pallet adapted to be positioned at floor level in the EES. The garage includes a pallet stacking station for storing the unloaded pallet, the pallet stacking station located over a shuttle aisle that extends under the EES. A pallet shuttle that traverses the shuttle aisle to a first position under the EES for handling the unloaded pallet in the EES, and to a second position under the pallet stacking station for stacking the unloaded pallet. The garage also includes a transport system for transporting the loaded pallet in the storage area.

IPC 8 full level
B66C 23/00 (2006.01); **E04H 6/42** (2006.01)

CPC (source: EP US)
E04H 6/22 (2013.01 - EP US); **E04H 6/245** (2013.01 - EP US); **E04H 6/422** (2013.01 - EP US)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2006086348A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2005220594 A1 20051006; AU 2006212853 A1 20060817; BR PI0607283 A2 20090825; CA 2596878 A1 20060817; CN 101115671 A 20080130; EP 1855981 A2 20071121; EP 1855981 A4 20100526; IL 184679 A0 20071203; MX 2007009496 A 20070919; RU 2007130147 A 20090320; TN SN07299 A1 20081231; WO 2006086348 A2 20060817; WO 2006086348 A3 20070614; ZA 200706137 B 20080430

DOCDB simple family (application)
US 5263105 A 20050207; AU 2006212853 A 20060207; BR PI0607283 A 20060207; CA 2596878 A 20060207; CN 200680004277 A 20060207; EP 06720397 A 20060207; IL 18467907 A 20070717; MX 2007009496 A 20060207; RU 2007130147 A 20060207; TN SN07299 A 20070731; US 2006004196 W 20060207; ZA 200706137 A 20070724