

Title (en)
WHOLLY AUTOMATED MOBILE DEVICE AND CORRESPONDING FAST, ECONOMICAL AND COMPACT METHOD FOR PARKING PRIVATE VEHICLES

Title (de)
VOLLAUTOMATISCHE, MOBILE EINRICHTUNG UND ENTSPRECHENDES VERFAHREN FÜR DAS SCHNELLE UND KOSTENGÜNSTIGE PARKIEREN VON PERSONENWAGEN MIT GERINGSTEM RAUMBEDARF

Title (fr)
DISPOSITIF MOBILE ENTIEREMENT AUTOMATISE ET PROCEDE CORRESPONDANT DE GARAGE RAPIDE, ECONOMIQUE ET PEU ENCOMBRANT DE VEHICULES PRIVES

Publication
EP 1802830 A1 20070704 (DE)

Application
EP 05788969 A 20051012

Priority
• CH 2005000599 W 20051012
• CH 16882004 A 20041013

Abstract (en)
[origin: WO2006039830A1] The invention concerns an automated device for parking private vehicles, comprising a modular dismountable construction consisting of one or more automatic parking ramps whereon the driver leaves his/her vehicle, the vehicle being then positioned, mechanically centered, gripped and electronically measured, automatically, so that the vehicle can be displaced by computer and compactly stored. Said device consists essentially of a push system (tractor, 40) moving on a rail (tractor rail, 42), gripping the vehicles at the wheels using forks with specific rollers (45), pulling same onto the lifting platform (31) in centered position on the rollers, moving the platform vertically, rotating the platform about its vertical axis and pushing the vehicle onto the parking platform (8). On request, the vehicles are once more pulled onto the lifting platform, transported to the exit ramp and delivered to the user. The entire device consists of a reduced number of mobile components such that the construction and the use of said device are simple and economical. The inventive device uses the basic shapes of modern vehicles combined with the inventive method and a computerized allocation of places enables the space required as well as building and use costs to be considerably reduced compared to existing systems.

IPC 8 full level
E04H 6/28 (2006.01)

CPC (source: EP KR US)
E04H 6/10 (2013.01 - KR); **E04H 6/28** (2013.01 - KR); **E04H 6/285** (2013.01 - EP US)

Citation (search report)
See references of WO 2006039830A1

Cited by
WO2010133966A1

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

Designated extension state (EPC)
HR YU

DOCDB simple family (publication)
WO 2006039830 A1 20060420; BR PI0518157 A 20081104; CA 2624765 A1 20060420; CN 101091030 A 20071219; CN 101091030 B 20110119; EA 012314 B1 20090828; EA 200700771 A1 20080428; EP 1802830 A1 20070704; HK 1111749 A1 20080815; JP 2008516117 A 20080515; JP 4988579 B2 20120801; KR 101403977 B1 20140610; KR 20070113190 A 20071128; MX 2007004337 A 20070615; US 2008267748 A1 20081030

DOCDB simple family (application)
CH 2005000599 W 20051012; BR PI0518157 A 20051012; CA 2624765 A 20051012; CN 200580034836 A 20051012; EA 200700771 A 20051012; EP 05788969 A 20051012; HK 08106347 A 20080608; JP 2007535981 A 20051012; KR 20077010848 A 20051012; MX 2007004337 A 20051012; US 66510605 A 20051012