

Title (en)

A VEHICLE PARKING STRUCTURE

Title (de)

FAHRZEUGPARKSTRUKTUR

Title (fr)

STRUCTURE DE STATIONNEMENT DE VÉHICULES

Publication

EP 2032781 A2 20090311 (EN)

Application

EP 07733231 A 20070614

Priority

- GB 2007002227 W 20070614
- GB 0611772 A 20060614
- GB 0705655 A 20070323

Abstract (en)

[origin: GB2439216A] The car park structure, particularly for providing a second level over an existing ground level car park, comprises a parking surface comprising at least one sheet of fibre reinforced polymer which is fastened to a support 16 with a corrugated profile. The parking surface is preferably fastened directly to the support by at least one threaded fastener. The or each sheet preferably comprises a flat upper side and an underside formed with indentations, which may be either rectangular or square, arranged in a grid. The support is preferably formed from steel and comprises profile sheeting, preferably with corrugations that the shape of a truncated triangle in cross-section. Adjacent sheets preferably have complementary stepped portions so that adjacent edges overlap, with adjacent sheets held together by threaded fasteners that engage the rails of a connector that extends between the sheets. Also claimed are vehicle parking structures defined by the connection between adjacent sheets and by the relationship between the sheets and the supports and methods of assembling a vehicle parking structure.

IPC 8 full level

E04H 6/10 (2006.01)

CPC (source: EP GB)

E04H 6/08 (2013.01 - GB); **E04H 6/10** (2013.01 - EP GB)

Citation (examination)

US 2003046779 A1 20030313 - DUMLAO CHRIS [US], et al

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

GB 0711538 D0 20070725; GB 2439216 A 20071219; GB 2439216 B 20080903; EP 2032781 A2 20090311; WO 2007144635 A2 20071221; WO 2007144635 A3 20080508

DOCDB simple family (application)

GB 0711538 A 20070614; EP 07733231 A 20070614; GB 2007002227 W 20070614