

Title (en)
Garage building made from prefabricated concrete elements

Title (de)
Betonfertigteil-Parkhaus

Title (fr)
Immeuble de garage réalisé en éléments préfabriqués en béton

Publication
EP 1394339 A3 20041124 (DE)

Application
EP 03018434 A 20030814

Priority
DE 10239624 A 20020829

Abstract (en)
[origin: EP1394339A2] Multi-story car park made of pre-fabricated concrete parts comprises self-supporting support plates (5) arranged in rows in individual floors which are held at each end in a vertical support construction and are fixed at each end to the support construction in a torsion-resistant manner. The supporting plates have a length corresponding to a 6 m roadway and two parking places and a width corresponding to a parking space width. Non-supporting longitudinal regions are formed by displacement bodies (65, 65A, 65B) in the lower region of the square-shaped support plate between longitudinal and edge-side longitudinal frame ribs (61, 61A, 63, 63A) made of prestressed concrete. Bearing regions (64A-64D) and transverse passages (51) are formed on the longitudinal frame ribs and a casting joint (18) and a row of mortar pockets (18A) are formed in each of the vertical outer long sides. The casting joints and mortar pockets are filled with a plastic-coated mortar and connected by transverse screws so that the support plates of one floor are connected to form a support surface which is joined in a torsion-resistant manner at the ends to the support construction and in the second horizontal direction to the side supporting walls.

IPC 1-7
E04H 6/10

IPC 8 full level
E04H 6/10 (2006.01)

CPC (source: EP)
E04B 5/023 (2013.01); **E04H 6/10** (2013.01)

Citation (search report)
• [A] US 3708933 A 19730109 - YANG Y
• [A] DE 19650105 A1 19980604 - PLANUNGSBUERO J DOBLER GMBH & [DE]
• [AD] DE 19641744 C1 19980122 - BREMER GMBH [DE]

Cited by
EP2290165A1; EP1992767A1; CN112955615A; US11808035B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1394339 A2 20040303; **EP 1394339 A3 20041124**; **EP 1394339 B1 20060503**; AT E325243 T1 20060615; DE 10239624 B3 20040401; DE 50303163 D1 20060608

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