

Title (en)

Vehicle parking apparatus and method for its operation

Title (de)

Fahrzeugparkvorrichtung und Verfahren zu deren Betrieb

Title (fr)

Installation de parage pour véhicules et procédé d'opération

Publication

EP 0596478 B1 19990811 (DE)

Application

EP 93117828 A 19931103

Priority

CH 341092 A 19921103

Abstract (en)

[origin: CA2102273A1] : A vehicle parking apparatus, comprises at least one lift platform (12) which can be brought to parking boxes (11) provided in rows in different storeys of a multi-storey car park and on which at least one movable vehicle carrying pallet (13) can be arranged. The vehicle carrying pallet is formed by two box-like wheel supporting beams (14) which extend in the direction of travel and which have a length corresponding to the wheel base of the vehicle types to be accommodated and also a lateral spacing corresponding to the track widths of the vehicles to be accommodated. The wheel supporting beams (14) are in the form of an inverse U with outwardly directed angled portions (15) at the lower longitudinal edges and plates (16) which connect the lower longitudinal edges together as well as longitudinal roller arrangements (17) at the front and rear ends. At least one cross-beam (18, 19, 20) is provided at the front and at the rear of the wheel supporting beams. The cross-beams connect the wheel supporting beams (14) together and formed abutments for the front and rear wheels (21, 21') of the vehicle. Furthermore, friction wheels (22) and a shifting beam (23) carrying them are provided on the lift platform and serve to drive the vehicle carrying pallets (13) during transfer thereof from the lift platform (12) to the parking boxes (11) and vice versa.

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