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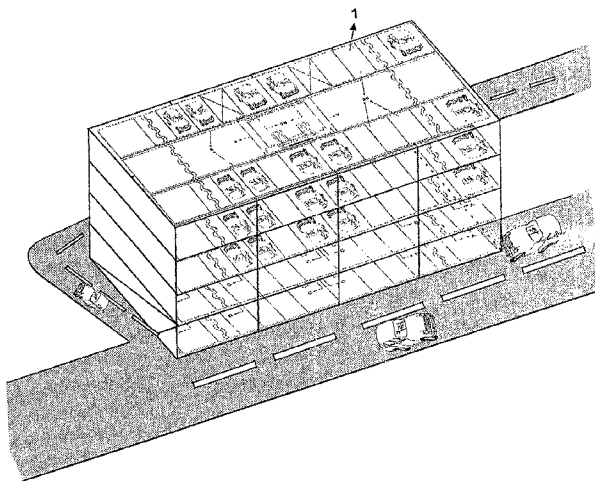
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(54) Title: MULTI-LEVEL AUTOMATED CAR PARKING SYSTEM



(57) Abstract: A multi-level, automated car parking facility (1) comprising: a storage structure having one or more tiers with one or more common entry and exit points; at least one permanently fixed input-cum-output elevator; a plurality of addressed slots in a plurality of parking platforms; a plurality of platform carriers and a centrally operated system controller for automatic parking of a car in an addressed vacant slot and retrieval of a car from a slot independently and without hindrance to any of the parked cars; two elevators with space between them for storage of platform carriers, a transfer module having an independent drive with reversible option moving on a permanently fixed first track; a power arm of each transfer module; a power arm in each elevator; slat conveyors, two at basement and two at ground level, with reversible option drive and having fixed walkways with space between the adjacent walkways to receive platform carriers and a handling systems comprising mono-rail, hoisting equipment and lifting tackle to load the platform carriers on to the slat conveyors when required and to stack pile the platform carriers when not in use.



WO 2007/032024 A3