{CLAIMS}

{Claim 1}

An operation panel provided in a mechanical parking facility, for making a control device to perform a series of loading/unloading operations in the mechanical parking facility having a plurality of parking spaces, a conveyer for loading/unloading a vehicle into and from the parking space, and the control device that performs the loading/unloading operations using the conveyor, the operation panel comprising a touch panel type operation display, wherein

the operation display is configured to display an icon of each parking space in real time together with an empty/occupied state of each parking space,

the operation panel is configured to make the control device perform the loading operation when the icon indicating empty is touched for loading, and

the operation panel is configured to make the control device perform the unloading operation when the icon of a parking space in which a vehicle to be unloaded is parked is touched for unloading.

{Claim 2}

The operation panel according to claim 1, wherein a position and a movement of the conveyor are displayed in real time on the operation display using an icon together with the icon of the parking space.

{Claim 3}

The operation panel according to claim 2, wherein the operation display is configured to display a part of the plurality of parking spaces, and to automatically scroll its screen in accordance with a movement of the conveyor.

{Claim 4}

The operation panel according to any one of claims 1 to 3, wherein the icon of the parking space indicates a type of a vehicle that can be parked in the parking space.

{Claim 5}

The operation panel according to any one of claims 1 to 4, wherein the operation display is configured to display the number of vehicles that can be parked in the mechanical parking facility.

{Claim 6}

The operation panel according to any one of claims 1 to 5, wherein the operation display is configured to highlight an icon of the parking space as compared to other icons when the icon of the parking space is touched.

{Claim 7}

The operation panel according to any one of claims 1 to 6, wherein the operation display is configured to display a next screen which displays a screen for confirming whether the vehicle is to be loaded when the icon indicating loadable is touched for loading, and to display a next screen which

displays a screen for confirming whether the vehicle is to be unloaded when the icon of the parking space in which a vehicle to be unloaded is placed is touched for unloading.

{Claim 8}

The operation panel according to any one of claims 1 to 7, wherein even during the loading/unloading operation, the screen can be changed to a reservation operation screen for a next loading/unloading reservation.

{Claim 9}

The operation panel according to any one of claims 1 to 8, wherein the operation display is configured to display an immediate loading button in case the loading/unloading operation is not performed, the parking space includes one or more empty spaces, and the conveyor in an empty state is being at an entry level into which a vehicle to be parked drives, and the immediate loading button is touched to allow driving into the entry level.

{Claim 10}

The operation panel according to any one of claims 1 to 9, wherein the operation display is configured to display an immediate unloading button in case the loading/unloading operation is not performed, and the conveyor in an occupied state is being at the entry level into which a vehicle to be parked drives, and the immediate unloading button is touched to allow the vehicle to be unloaded from the entry level.

{Claim 11}

The operation panel according to any one of claims 1 to 10, wherein a direction of vehicle in a front-rear direction of the parked vehicle housed in the parking space is displayed.

{Claim 12}

The operation panel according to any one of claims 1 to 11, wherein the operation panel is configured such that an unloading mode for unloading the parked vehicle housed in the parking space, and a turning mode for turning the parked vehicle to change its direction in a front-rear direction of the parked vehicle without unloading the parked vehicle are selectable.

{Claim 13}

A mechanical parking facility comprising an operation panel according to any one of claims 1 to 12.

CLAIMS:

1. An operation panel provided in a mechanical parking facility, for making a control device to perform a series of loading/unloading operations in the mechanical parking facility having a plurality of parking spaces, a conveyer for loading/unloading a vehicle into and from the parking space, and the control device that performs the loading/unloading operations using the conveyor, the operation panel comprising a touch panel type operation display, wherein

the operation display is configured to display an icon of each parking space in real time together with an empty/occupied state of each parking space,

the operation panel is configured to make the control device perform the loading operation when the icon indicating empty is touched for loading, and

the operation panel is configured to make the control device perform the unloading operation when the icon of a

parking space in which a vehicle to be unloaded is parked is touched for unloading,

wherein the operation display is configured to display a part of the plurality of parking spaces, and to automatically scroll its screen in accordance with a movement of the conveyor.

2. The operation panel according to claim 1, wherein a position and a movement of the conveyor are displayed in real time on the operation display using an icon together with the icon of the parking space.

3. The operation panel according to any one of claims 1 to 2, wherein the icon of the parking space indicates a type of a vehicle that can be parked in the parking space.

4. The operation panel according to any one of claims 1 to wherein the operation display is configured to display the number of vehicles that can be parked in the mechanical parking facility.

5. The operation panel according to any one of claims 1 to wherein the operation display is configured to highlight an icon of the parking space as compared to other icons when the icon of the parking space is touched.

6. The operation panel according to any one of claims 1 to wherein the operation display is configured to display a next screen which displays a screen for confirming whether the vehicle is to be loaded when the icon indicating loadable is touched for loading, and to display a next screen which displays a screen for confirming whether the vehicle is to be unloaded when the icon of the parking space in which a vehicle to be unloaded is placed is touched for unloading.

7. The operation panel according to any one of claims

1 to wherein even during the loading/unloading operation, the screen can be changed to a reservation operation screen for a next loading/unloading reservation.

8. The operation panel according to any one of claims 1 to wherein the operation display is configured to display an immediate loading button in case the loading/unloading operation is not performed, the parking space includes one or more empty spaces, and the conveyor in an empty state is being at an entry level into which a vehicle to be parked drives, and the immediate loading button is touched to allow driving into the entry level.

9. The operation panel according to any one of claims 1 to wherein the operation display is configured to display an immediate unloading button in case the loading/unloading operation is not performed, and the conveyor in an occupied state is being at the entry level into which a vehicle to be parked drives, and the immediate unloading button is touched to allow the vehicle to be unloaded from the entry

level.

10. The operation panel according to any one of claims 1 to wherein a direction of vehicle in a front-rear direction of the parked vehicle housed in the parking space is displayed.

11. The operation panel according to any one of claims 1 to wherein the operation panel is configured such that an unloading mode for unloading the parked vehicle housed in the parking space, and a turning mode for turning the parked vehicle to change its direction in a front-rear direction of the parked vehicle without unloading the parked vehicle are selectable.

12. A mechanical parking facility comprising an operation panel according to any one of claims 1 to 11.