

CHARGING SYSTEM FOR AUTOMATED PARKING GARAGE AND AUTOMATED
PARKING GARAGE INCLUDING THE SAME

{Abstract}

A charging system (21) includes a plurality of power-supplying connection units (22A to 22D) arranged at predetermined intervals on a transport path (3, 4) along which a pallet (6) is transported, a power-receiving connection unit (23) that is disposed on the pallet (6) and that comes into contact with the power-supplying connection units (22A to 22D), and an outlet unit (24) that is disposed on the pallet (6), that is electrically connected to the power-receiving connection unit (23), and that relays power supplied from the power-supplying connection units (22A to 22D) to a motor-driven vehicle (5). The power-receiving connection unit (23) is shaped to extend over a predetermined length in the moving direction of the pallet (6), and the plurality of power-supplying connection units (22A to 22D) are positioned such that the power-receiving connection unit (23) remains in contact with a contact (35) of at least one of the power-supplying connection units (22A to 22D) irrespective of the position of the pallet (6) on the transport path (3, 4).

Figure 1