

[ABSTRACT]

TRAFFIC SYSTEM AND POWER SUPPLY METHOD

5 A traffic system includes: a vehicle (2) having a power-receiving section (13) on
an outer surface thereof; and a ground facility (5) having a power-supply section (22) for
supplying the power-receiving section (13) with power by coming in contact with the
power-receiving section (13). The power-supply section (22) has a spring (33) for
applying a biasing force to a power-supply shoe (25) in the power-supply section (22)
10 toward the power-receiving section (13). The power-receiving section (13) has a flat
surface (16) that extends along the outer surface of the vehicle (2), and tapered surfaces
(17) that are connected to the flat surface (16) in the forward and backward moving
directions of the vehicle (2) and guide the power-supply shoe (25) to the flat surface (16)
against the biasing force to bring the power-supply shoe into contact with the flat surface
15 (16) when the vehicle (2) moves backward and forward.

FIG. 1