

ABSTRACT

A braking control device of an industrial vehicle includes a travel motor configured to generate regenerative braking force and a mechanical brake configured to generate mechanical braking force as a
5 braking unit and including a battery configured to be charged by the regenerative braking force. The braking control device of an industrial vehicle includes a vehicle speed information acquisition unit configured to acquire vehicle speed information of the industrial vehicle, a regenerative current acquisition unit configured to acquire a regenerative
10 current of the travel motor, an autonomous driving control unit configured to execute autonomous driving with a required braking force including the regenerative braking force for causing a vehicle speed of the industrial vehicle descending a slope to be a target vehicle speed, based on the vehicle speed information, and a braking force control unit
15 configured to adjust distribution of the mechanical braking force in the required braking force so that the acquired regenerative current is equal to or less than an upper regenerative threshold value smaller than a maximum regenerative current.

(Fig. 4)