

CARRIER VEHICLE AND OPERATION METHOD THEREOF

ABSTRACT

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The present invention discloses a carrier vehicle and an operation method thereof. The carrier vehicle includes a vehicle body running on a track. An emergency stop device, a hopper fixing device, a camera device, a sensor device and an electric control box are arranged on the vehicle body. The vehicle body includes two motors,
10 each driving a set of wheels. The emergency stop device includes an emergency stop sensor, and an emergency stop push rod assembly. The hopper fixing device is used for fixing a hopper carried by the carrier vehicle. The sensor device includes an over-height sensor assembly, a carrier vehicle in-position sensor assembly, a hopper in-position sensor, a turning sensor, a wheel wear sensor, an ultrasonic sensor, and an
15 encoding sensor.

(Fig. 1)