

ABSTRACT

METHOD AND SYSTEM FOR CONTROLLING STEERING OF OVERHEAD HOIST VEHICLE

The present disclosure provides a method and a system for controlling steering of an overhead hoist vehicle, applicable to the field of manufacturing equipment for semiconductor wafers. The method for controlling steering of the overhead hoist vehicle includes: when steering control is needed, a first driving voltage is applied to an electromagnet configured for controlling and guiding of steering, and the electromagnet drives a guide wheel to move on a sliding rail, in order to cooperate with an overhead guide track to guide steering; when the guide wheel moves to a first designated position on the sliding rail, a second driving voltage is applied to the electromagnet, and when the guide wheel moves to a second designated position on the sliding rail, a third driving voltage is applied to the electromagnet, and then the electromagnet is powered off. By applying different driving voltages to the rotating electromagnet, the rotating electromagnet can be in different working states during steering control, thereby effectively improving control of the temperature rise of the electromagnet and preventing the coordination between the guide wheel and the overhead guide track from being affected by rebounding of the electromagnet due to power outage.

Figure 4