

# 地铁车辆塞拉门系统的传动方式及携门机构设计

## 摘 要

目前我国正在经历着大面积的城市轨道交通发展，地铁车辆塞拉门作为乘客上下车的通道，在轨道交通车辆运营中非常的重要。但是与别的发达国家相比较，现在国内塞拉门的设计、制造、安全性、舒适性这些方面的技术水平低。本课题经由对塞拉门体系原理进行剖析使轨道客车塞拉门的可靠性、空间结构的合理性及安全性得到进一步提升。通过对照比较各类传动体系设计出最为适合塞拉门系统的传动方式及携门机构，可靠顺畅的进行开关门动作，提升乘客的使用体验，对塞拉门的重量有效的减少，也实现了减少能耗，降低故障率的作用。

**关键词:** 分析；设计

# Abstract

At present, China is experiencing the development of a large area of urban rail transit. The sliding door of subway is which get on and off for passengers. It plays a very important role of rail transit vehicles. However, in comparison with other developed countries, the technical level of the design, manufacture, safety, and comfort of domestic sliding doors is currently low. This subject has analyzed the principle of the sliding door system to further enhance the reliability and safety of the reliability and space structure of the rail car. By comparing and comparing various types of transmission systems, the most suitable drive system for the sliding door system . The door movements can be performed reliably and smoothly to enhance the passenger experience, and the effective reduction of the weight of the sliding door is achieved. Reduce energy consumption and reduce the effect of failure rate.

**Keywords:**Analysis ;Design

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