Abstract

This paper explains about an elevators operation which uses a AC motor to drive the elevator cabin. The elevator mentioned here is fully automated using PLC. Its control is based on the input that we get from the operator as well as from the sensors. According to that signal PLC will make the drive motor and door motor to work correspondingly.

References

- Eunsoo Jung, Hyunjae Yoo, Seung-Ki Sul, Hong-Soon Choi and Yun-Young Choi,


- Jae Sung Yu, Sun Mo Hwang and Chung-Yuen Won (2009) &apos;Performances of fuzzy-logic-based vector control for permanent magnet synchronous motor used in elevator drive system&apos;; 30th Annual Conference of IEEE Industrial


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Statechart based modeling and controller implementation of complex reactive systems; 6th IEEE International Conference on Industrial and Information Systems, pp 493-498.

Index Terms
- Computer Science
- Control Systems

Keywords
- PLC based elevator
- Elevator Design
- Constant speed Elevator
- Ladder logic for Elevator using PLC