

Abstract of the Disclosure

OPTIMIZATION OF MAGNETIZING CURRENT
IN LINEAR INDUCTION MOTORS

- 5 Magnetizing current generated in a linear induction motor driving elevator car doors in elevator systems is optimized. Magnetizing current level is set low for door operation modes requiring lower levels of thrust, such as hold open and hold closed. Magnetizing current level is increased for modes of door operation
- 10 requiring greater thrust levels, such as closing or opening. Optimization of magnetizing current in linear induction motors reduces overheating and increases energy efficiency.

(Fig No. 3)