

Abstract of the Disclosure
HIGH PERFORMANCE LINEAR INDUCTION
MOTOR DOOR OPERATOR

5 An elevator car door system for opening and closing elevator
car doors in an elevator car includes a high performance linear
induction motor having a pair of movable motor primaries, each
attached to a door hanger for each door, and a stationary motor
secondary attached to a header bracket which is secured to the
10 elevator car. Each motor primary includes a primary winding and a
backiron spaced apart by a plurality of spacers that establish a
magnetic gap therebetween. The motor secondary fits between the
primary winding and the backiron as the moving motor primaries travel
across the motor secondary, generating thrust.

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(Fig No. 1)