

APPARATUS AND METHOD OF CONTROLLING
A LINEAR MOTOR DOOR OPERATOR

ABSTRACT OF THE DISCLOSURE

A control system (10) for a door operator (12) for moving a door includes a position sensor (54) to be coupled to the door (28) for sensing the position of the door and generating a position signal. An acceleration sensor (48) is to be coupled to the door for sensing the acceleration of the door (28) and generating an acceleration signal. An integrator (50) integrates the acceleration signal to generate a first velocity signal. A differentiator (56) differentiates the position signal to generate a second velocity signal. A blending filter (42) blends the first and second velocity signal to generate a filtered velocity signal, and a controller (32) regulates the velocity of the door (28) in response to the time and position of the door in a door open or close operation.

FIG.1



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