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(12) **United States Patent**
Rodriguez

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(54) **SELF-PROPELLED ELEVATOR SYSTEM
HAVING WINDINGS PROPORTIONAL TO
CAR VELOCITY**

USPC 187/247, 250, 251, 258, 289, 293, 391,
187/393; 318/135; 310/12.01, 12.04,
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See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this
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U.S.C. 154(b) by 491 days.

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(57) **ABSTRACT**

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An elevator system includes a hoistway and an elevator car to travel in the hoistway. Permanent magnets are mounted to the elevator car and primary windings are mounted in the hoistway to form a linear motor. The primary windings having a first section having a first number of turns and a second section having a second number of turns. The first number of turns is less than the second number of turns.

(58) **Field of Classification Search**

CPC B66B 5/0018; B66B 1/3492; B66B 7/062;
B66B 9/00; B66B 11/0407; H02K 41/031

7 Claims, 3 Drawing Sheets

