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**Lau**

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(54) **SELF-PROPELLED ELEVATORS AND  
ELEVATOR BRAKE SYSTEMS**

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- B66B 1/32** (2006.01)
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- B66B 5/00** (2006.01)
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See application file for complete search history.

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(57) **ABSTRACT**

This invention is directed to a self-propelled elevator system  
having multiple motors or one motor, and methods for  
synchronizing said multiple motors. This invention is also  
directed to an elevator brake system to be used in said  
self-propelled elevator system or other types of elevators to  
increase their level of safety.

**19 Claims, 16 Drawing Sheets**

