

A WEIGHT ARRESTOR SYSTEM

5 **Abstract**

Disclosed herein is a weight arrestor system comprising a retractor coupled to a weight and operable between a release mode and a retract mode. The weight travels towards an impact surface for impact therewith when the retractor is in the release mode. A controller operates the retractor between the release mode and the retract mode such that when a sensor senses
10 impact of the weight with or approach of the weight to the impact surface, the controller operates the retractor from the release mode to the retract mode one of prior to, during and subsequent to impact of the weight with the impact surface to arrest the weight during bounce thereof from the impact surface to thereby limit travel of the weight towards and eliminate re-impact of the weight with the impact surface.

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Figure 1

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