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Abstract (en)
[origin: WO2008115589A1] Systems and apparatuses are described for reducing shock and vibration experienced by a payload. In embodiments, a slender element, such as a blade made of spring steel, in its post-buckled state, supports or connects to a payload and reduces vibration effects on the payload. In embodiments, systems and apparatuses using buckled elements isolate or otherwise mitigate the effects of shock and/or vibration on a payload from forces in the vertical direction (i.e. the direction in line with the gravitational force), from forces in the horizontal direction, or both.

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