

Title (en)
CRASH IMPACT ATTENUATOR SYSTEMS AND METHODS

Title (de)
AUFPRALLDÄMPFER UND VERFAHREN

Title (fr)
SYSTÈMES ET PROCÉDÉS D'ATTÉNUATEUR D'IMPACT DE COLLISION

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Abstract (en)
[origin: US2021108383A1] A crash attenuator system for deployment in front of a fixed structure includes a rail extending along a length of the crash attenuator system and a plurality of diaphragms initially disposed in spaced relation along the length of the rail. Each of the plurality of diaphragms moves along the rail, so that when a front end of the crash attenuator system receives an impact force from a vehicle, a first one of the diaphragms moves rearwardly along the rail and impacts a second one of the diaphragms so that both the first and second diaphragms move further rearwardly along the rail, this process continuing with additional ones of the diaphragms until the impact forces have been fully attenuated. A tearing member on the crash attenuator system engages material forming a tearable member of the crash attenuator system, the tearing member tearing material forming the tearable member to increase attenuation of the impact force.

IPC 8 full level
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CPC (source: CN EP KR US)
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DOCDB simple family (publication)
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