

ABSTRACT OF THE DISCLOSURE
INNOVIA VEHICLE LOCK-ON DEVICE

Disclosed is a lock-on device including a member and a grounding pad. A first end of the member is configured to be connected to a guide frame of a rail vehicle. The grounding pad is attached to a second end of the member. The grounding pad may be attached to the member in any location suitable for collecting ground from the guide beam during use. A pair of lock-on devices is installed on the vehicle, such that one is located on each side of the guide beam. Since the lock-on device is attached to the guide frame of the vehicle and engages the underneath of the guide beam, any force tending to tip the vehicle will cause the lock-on device to "grab" the guide beam. The relationship of the guide beam and the grounding pad prevents the vehicle from tipping. Thus, track jumping and roll over are inhibited.

(Please note that Figure 1 should accompany the abstract when published)