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Hanson

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[54] ISOLATION MOUNTING DEVICE 5,397,206 3/1995 Sihon 411/544

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[57] ABSTRACT

[21] Appl. No.: 08/645,732

An isolation mounting device or assembly is used to mount items or components to a structure in an environment susceptible to vibrational energy, such as a vehicle. The isolation mounting device includes a damping portion, such as a piece of elastomeric damping material, bonded to the surface of the structure to isolate the mounting device and the component from vibrational energy transmitted through the structure. A support base, such as an aluminum block, is bonded to the damping portion to support the component. A fastener engaging portion is fixed to and extends from the support base to engage a fastener that secures the component to the support base. For example, a assembly can be crimped into an aperture formed in the support base so that an internally threaded snap nut post extends through the component and receives a bolt that secures the component to the support base. The component is then easily and removably mounted to the structure without enhancing the transmission of vibration.

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[52] U.S. Cl. 248/635; 248/634; 267/153

[58] Field of Search 248/635, 634, 248/638, 632, 615; 267/136, 141, 153, 292

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18 Claims, 1 Drawing Sheet

