

Title (en)  
STRUCTURAL HOLLOW ARTICLES FILLED WITH DAMPING MATERIALS

Title (de)  
MIT DÄMPFUNGSMATERIALIEN GRFÜLLTE HOHLE BAUTEILE

Title (fr)  
ARTICLES DE CONSTRUCTION CREUX REMPLIS PAR DES MATERIAUX D'AMORTISSEMENT

Publication  
**EP 0770191 A1 19970502 (EN)**

Application  
**EP 95927516 A 19950727**

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Abstract (en)  
[origin: WO9604491A1] The present invention provides a method of improving the vibrational damping characteristics of a structural material and the articles (1, 4) formed therefrom. The method involves: forming a cavity (2, 5) within the structural material at a point where at least one vibrational mode is active; and placing a nonconstrained vibration damping material (3, 6) into the cavity, wherein the vibration damping material comprises a viscoelastic material and preferably an effective amount of a fibrous material.

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