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ABSTRACT

Vibration Isolation Module

A Vibration Isolation Module (VIM) for a towed acoustic streamer includes cylindrical masses (1) attached at regular spacing to a central core of viscoelastic damping material (2), which may be
5 extruded over a snubbed elastic strength member (3). Further snubbed elastic strength members (4) may be attached around the outer diameter of the masses (1). Viscous 'dash-pot' type dampers (5) are installed within the masses (1). The space between the masses is filled with
10 open cell plastic foam (6), around which is wrapped a layer of power and data cables (7). A jacket of damped thermoplastic (8) is extruded over this cable layer (7) and caps (9) containing a fluid filling valve (10) are attached at each end of the module, and the interior void is filled with a low density, high viscosity fluid (11).

Figure 1

This Sheet Has Been Replaced

