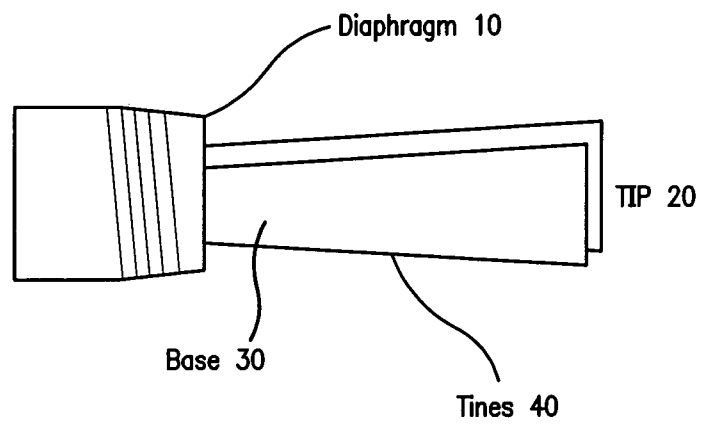


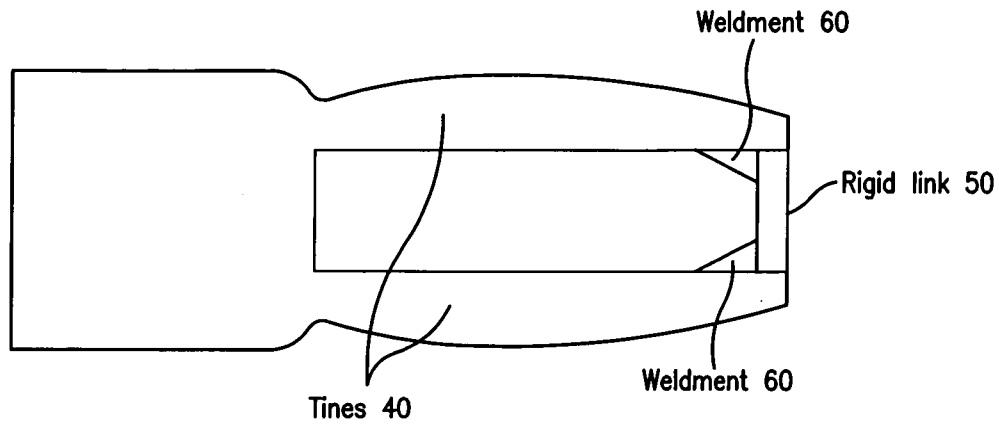
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Illustration Showing the Tip, Base and Diaphragm Regions
of the Tuning Fork

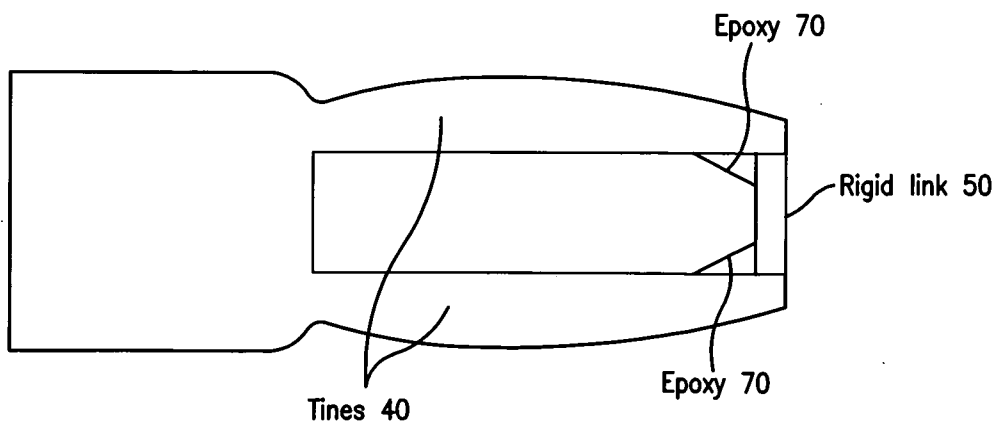
**FIG. 1**

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Metal Fusing Element Rigidly Binds the Tines Attached via Weldment

**FIG. 2a**

Metal Element Rigidly Binds the Tines Attached via Epoxy Fuse

**FIG. 2b**

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Example Using a Metallic Element for the Rigid Fuse of Figure 2a

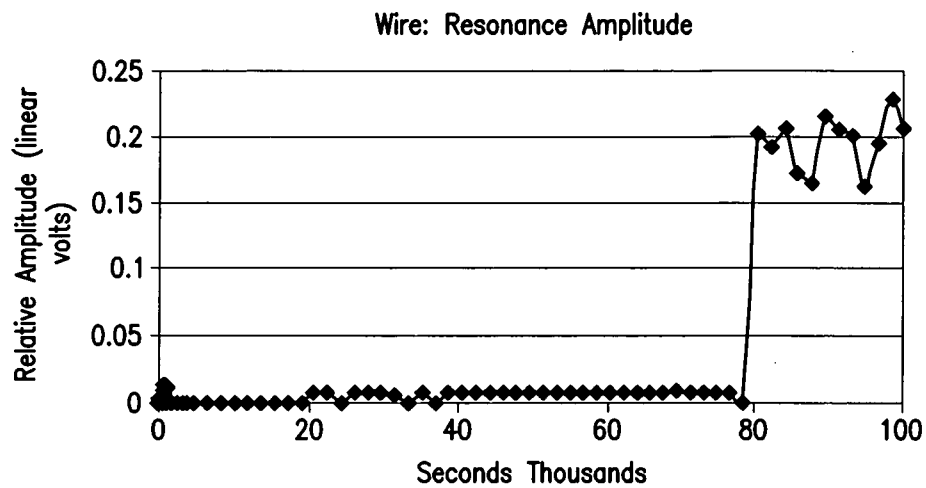


FIG. 3a

Example Using a Rigid Connector Attached to the Tines Using Epoxy Fuse of Figure 2b

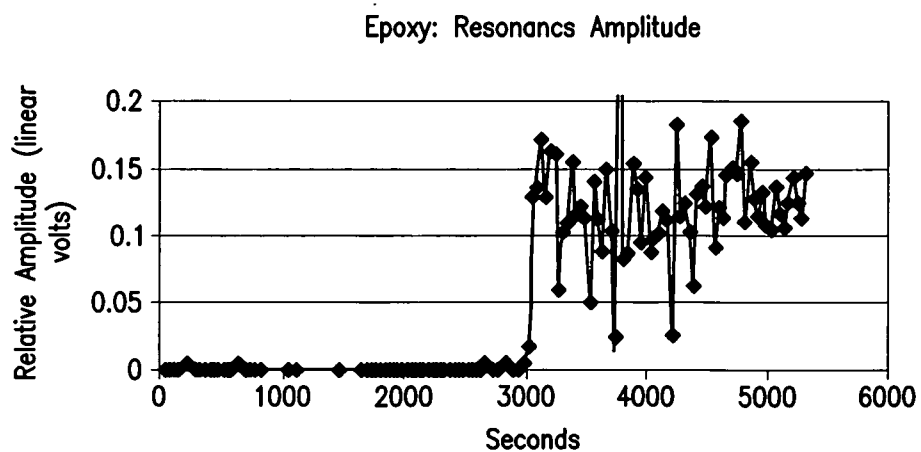
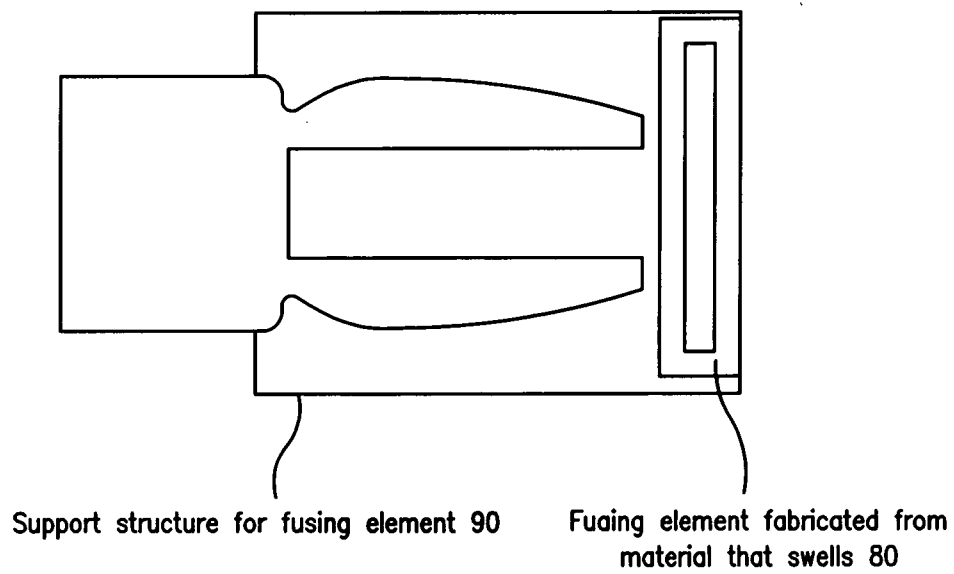


FIG. 3b

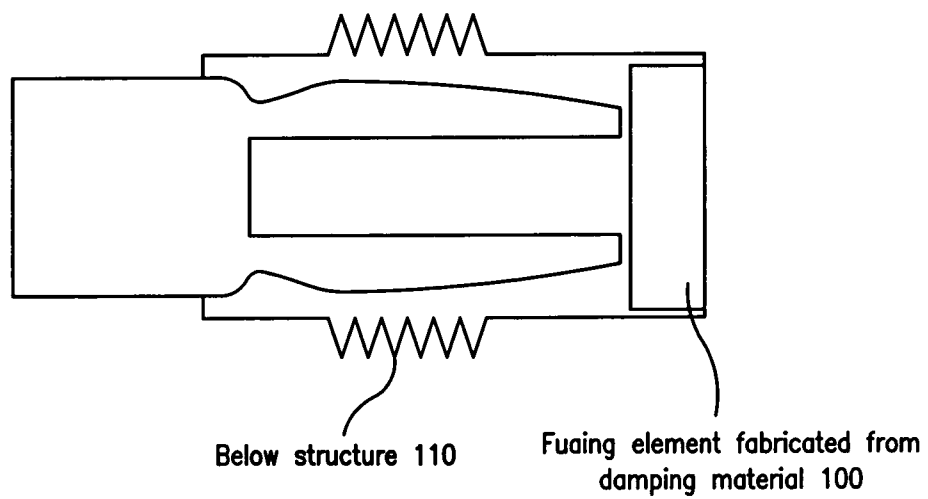
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Swelling Material Activates in the Presence of Select Materials and Prevents
Tine motion and Oscillation

**FIG. 4**

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Example of a Pressure Fuse: Pressure Pushed the Damping Material to the Tines
Stopping the Tine Motion

**FIG. 5**

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Example Where Coating on Fork Tip Changes Resonance Enabling
or Disabling Vibration Motion

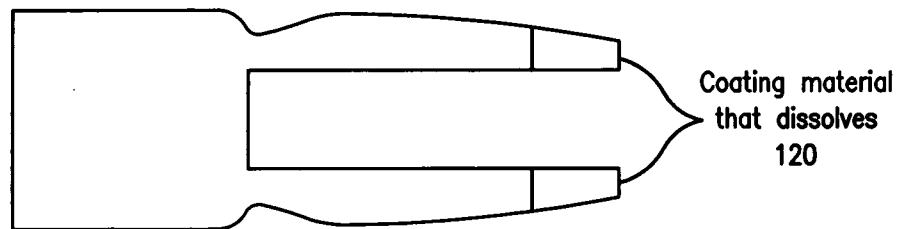


FIG. 6