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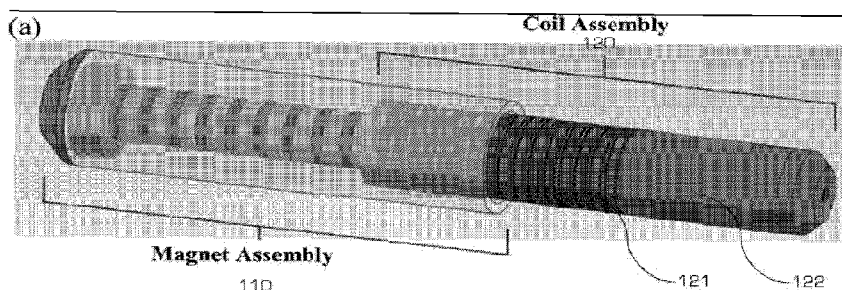
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(54) Title: ELECTRICITY GENERATING SHOCK ABSORBERS

Figure 1a



(57) Abstract: An electricity generating shock absorber includes a coil assembly having a length of electrically conducting material wrapped around an outside perimeter, and along a length, of a hollow tube formed of electrically resistant material; a magnet unit formed of at least one annular axial magnet; a central shaft having a magnetic reluctance on which a plurality of the magnet units are mounted, the central shaft dimensioned for insertion through a central opening of the at least one annular axial magnet, the central shaft combined with the plurality of magnet units forming a magnet assembly dimensioned to slideably insert into a central cavity of the hollow tube; and a cylindrical shell having a first end attached to a terminal end of the magnet assembly, the cylindrical shell extending a length of the magnet assembly, the cylindrical shell having an inner diameter sized to slideably accommodate an outside diameter of the coil assembly.