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(54) **Title**: PEDESTAL FOR TRACKING ANTENNA

(57) **Abstract**: A pedestal for tracking antenna includes a horizontal isolation assembly dimensioned and configured to isolate the support plate from horizontal vibration and shock of the base ring, a hub assembly including a support mounted on the horizontal isolation assembly rotatably supporting a rotating frame about a first azimuth axis, a vertical isolation assembly including an upright frame and a cross-level axis support slidably interconnected with a linear bearing assembly, the linear bearing assembly having a profiled rail slidably received within a complementary shaped bearing block, wherein the profiled rail can not twist axially relative to the bearing block, a cross- level frame pivotally mounted on the cross-level axis support about a second cross- level axis, and/or an elevation frame assembly supporting the tracking antenna and pivotally mounted on the cross-level frame about a third elevation axis.

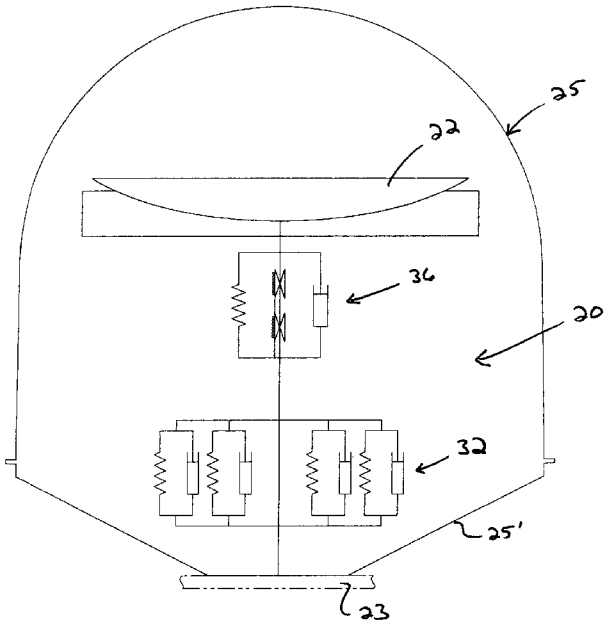

FIG. 1

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