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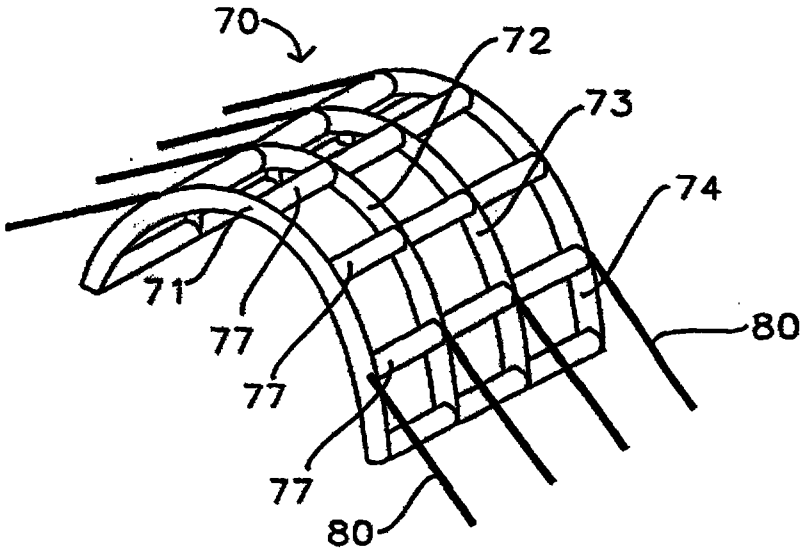
(54) Title: METHOD FOR BUILDING A LOW COST, LARGE SCALE, PORTABLE EMI SHIELDED ENCLOSURE

(57) Abstract

A portable enclosure for electromagnetic compatibility (EMC) testing, comprising a flexible and vacuous arrangement that forms into an inflated arcuate framework having arched ceiling and side supports. The arcuate framework embodies a plurality of vertical arcuate structural members (71, 72, 73, 74) that are separated from one another and held in place by a multiplicity of vacuous and inflatable horizontal support members (77) attached and pneumatically communicative to the vertical arcuate shaped members. After the flexible and vacuous structure is inflated, the arcuate framework is secured to the ground by means of guy-storms (80) that are attached to each side of the plurality of vertical arcuate structural members. A flexible and conductive, two layered main shroud for covering the arched ceiling and side support areas that are defined by the inflated arcuate framework. A similar constructed two layered first and a second end capping shroud for covering, respectfully, front and rear openings of the arcuate framework. A three layered floor shroud covers a floor area defined under the inflated arcuate framework, and service means provided to perform EMC testing.