

[54] SPHERICAL RETARDING GRID ANALYZER

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[21] Appl. No.: 859,102

[22] Filed: May 1, 1986

[51] Int. Cl.<sup>4</sup> ..... H01J 40/04

[52] U.S. Cl. .... 250/305; 250/396 R

[58] Field of Search ..... 250/305, 396 R; 313/349, 293, 295; 445/46, 49

[56] References Cited

U.S. PATENT DOCUMENTS

3,484,645 12/1967 Drees ..... 313/349

3,818,228	6/1974	Palmberg .....	250/305
4,224,518	9/1980	Taylor .....	250/305
4,330,708	5/1982	Meisburger .....	250/396 ML
4,439,684	3/1984	Hemmerich et al. ....	250/396 R
4,464,571	8/1984	Plies .....	250/305
4,540,885	9/1985	Plies et al. ....	250/310

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[57] ABSTRACT

A spherical grid for use in instrumentation comprising a rigid non-magnetic frame having a pattern of holes. Into each hole a flat wafer is placed, each wafer having etched therein holes defining the grid mesh. The frame maintains the geometric conformal shape allowing large units to be constructed.

13 Claims, 3 Drawing Figures

