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United States Patent [19]

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Scherzinger et al.

[45] Date of Patent: **Dec. 16, 1997**

[54] **EXCITER STATOR INSULATING BOBBIN** 4,217,690 8/1980 Morreale 29/596
 4,520,288 5/1985 Santi 310/194

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[21] Appl. No.: **653,529**

[57] **ABSTRACT**

[22] Filed: **May 24, 1996**

A stator insulating bobbin is disclosed including a plurality of insulating elements. These insulating elements are configured and dimensioned to substantially enclose and insulate an inner surface of a stator assembly. Each of the insulating elements includes a first flange portion and a second flange portion joined by an intermediate web portion.

[51] Int. Cl.⁶ **H02K 15/04**

[52] U.S. Cl. **310/194**; 310/65; 310/215; 310/269; 310/214; 336/198; 336/192; 336/118.41

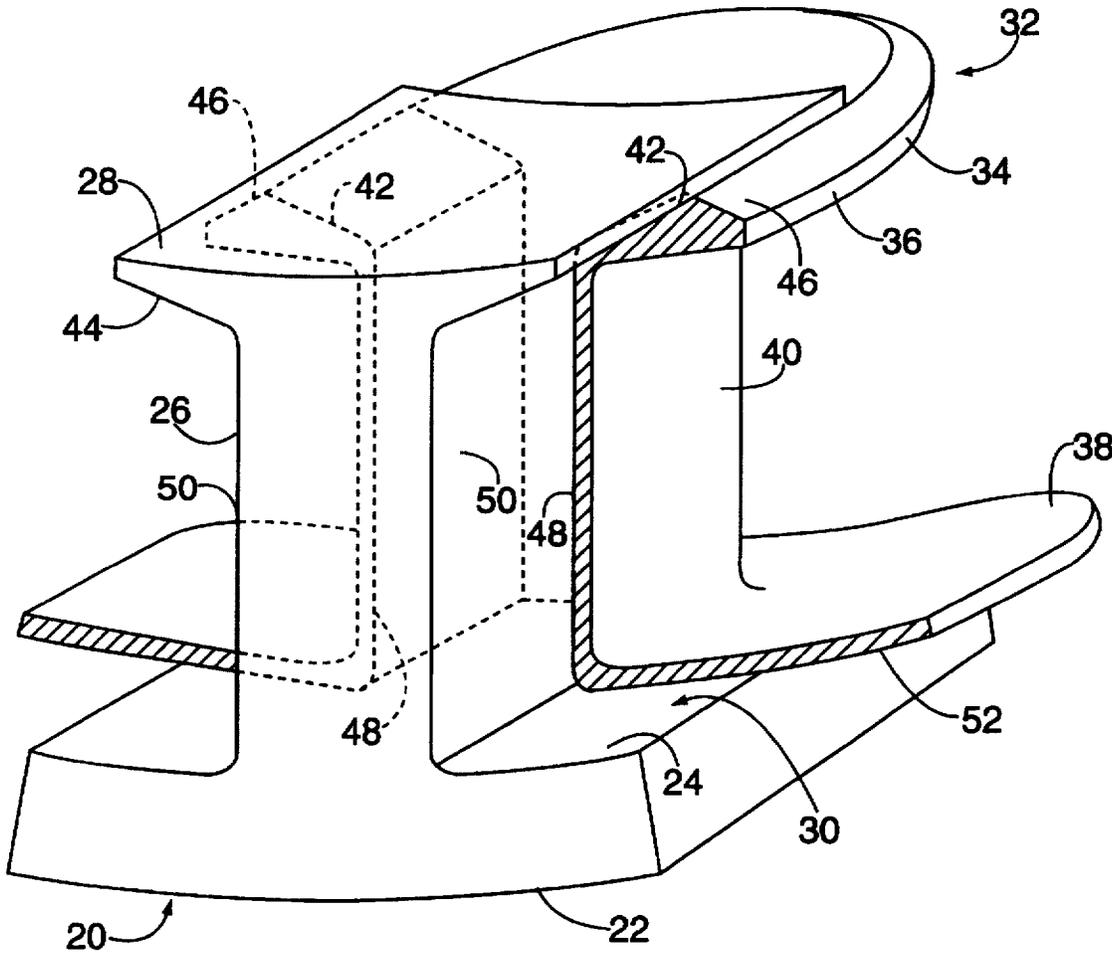
[58] Field of Search 310/194, 65, 215, 310/214, 269; 336/192, 198, 118.41

[56] **References Cited**

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17 Claims, 4 Drawing Sheets



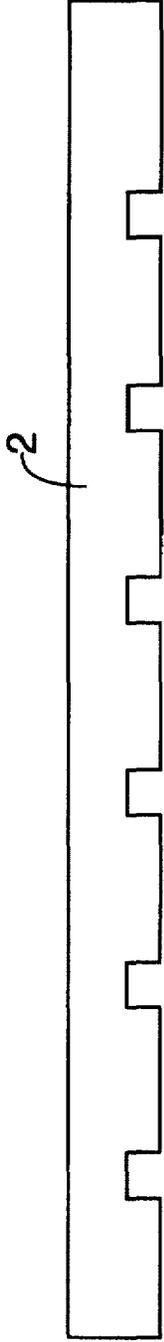


FIG. 1A
PRIOR ART



FIG. 1B
PRIOR ART

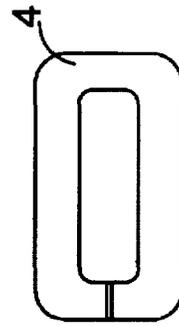


FIG. 1C
PRIOR ART

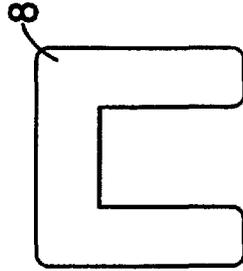


FIG. 1D
PRIOR ART

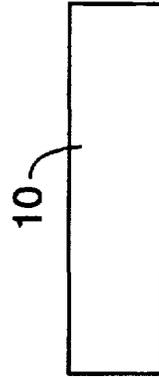


FIG. 1E
PRIOR ART

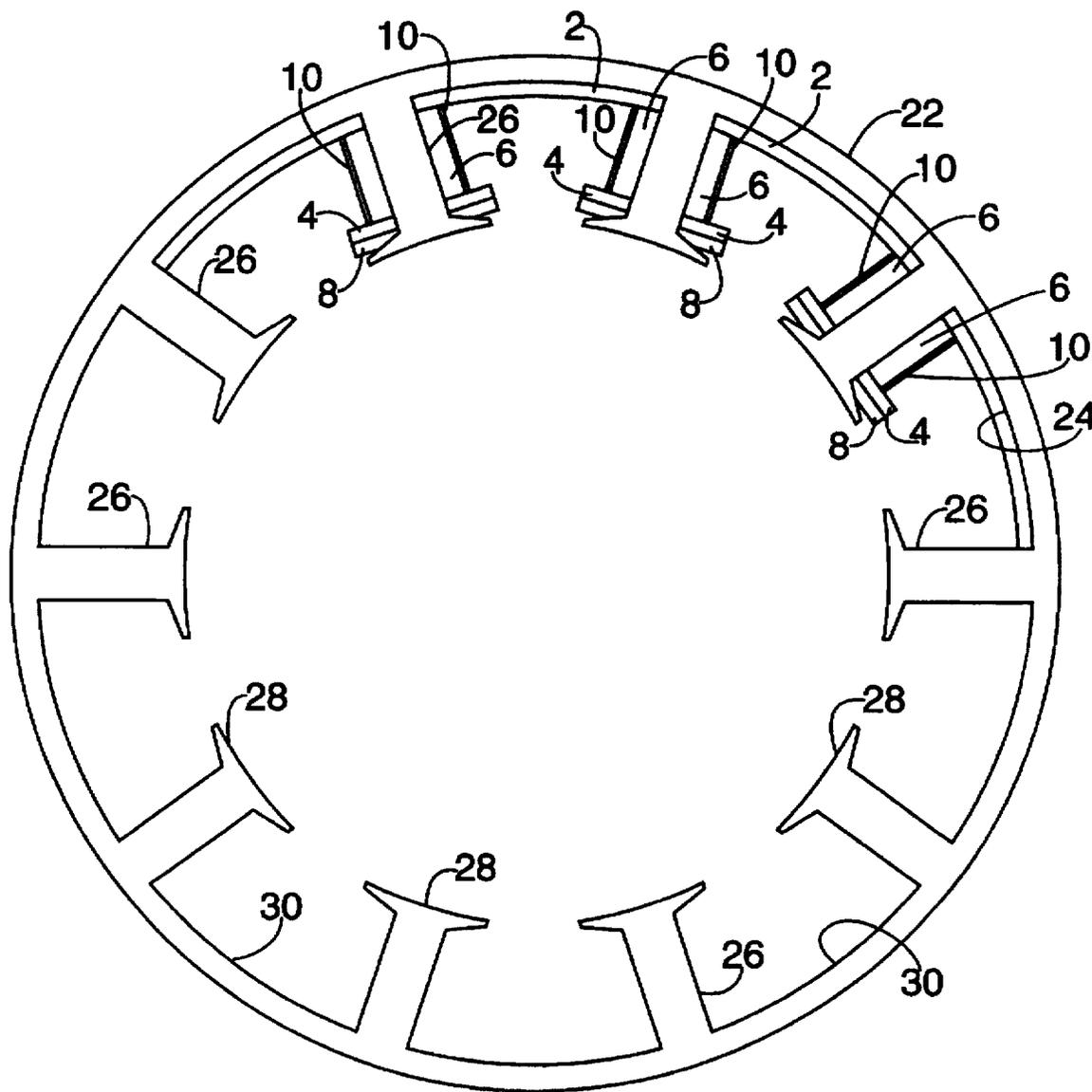


FIG. 1F
PRIOR ART

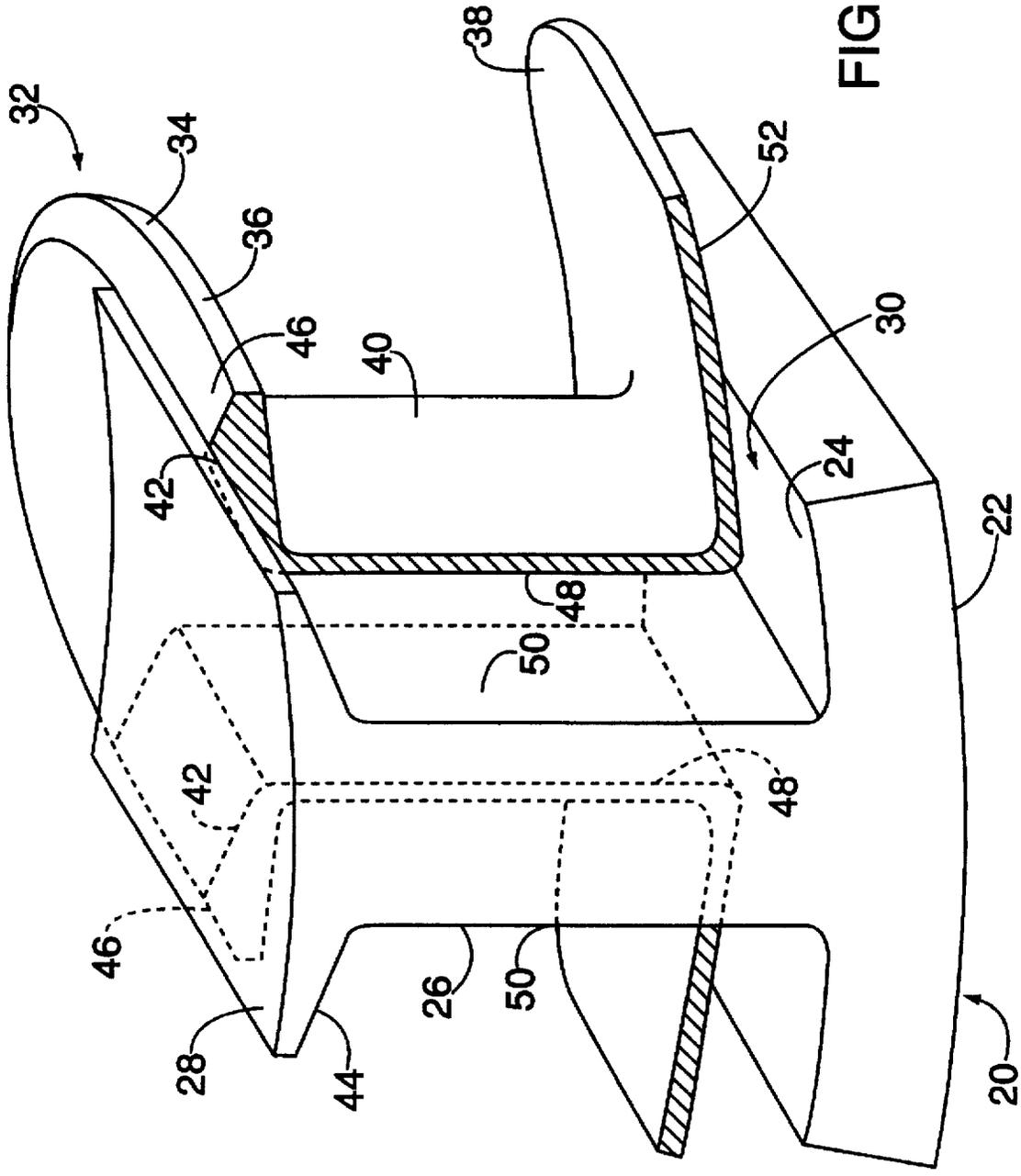


FIG. 2

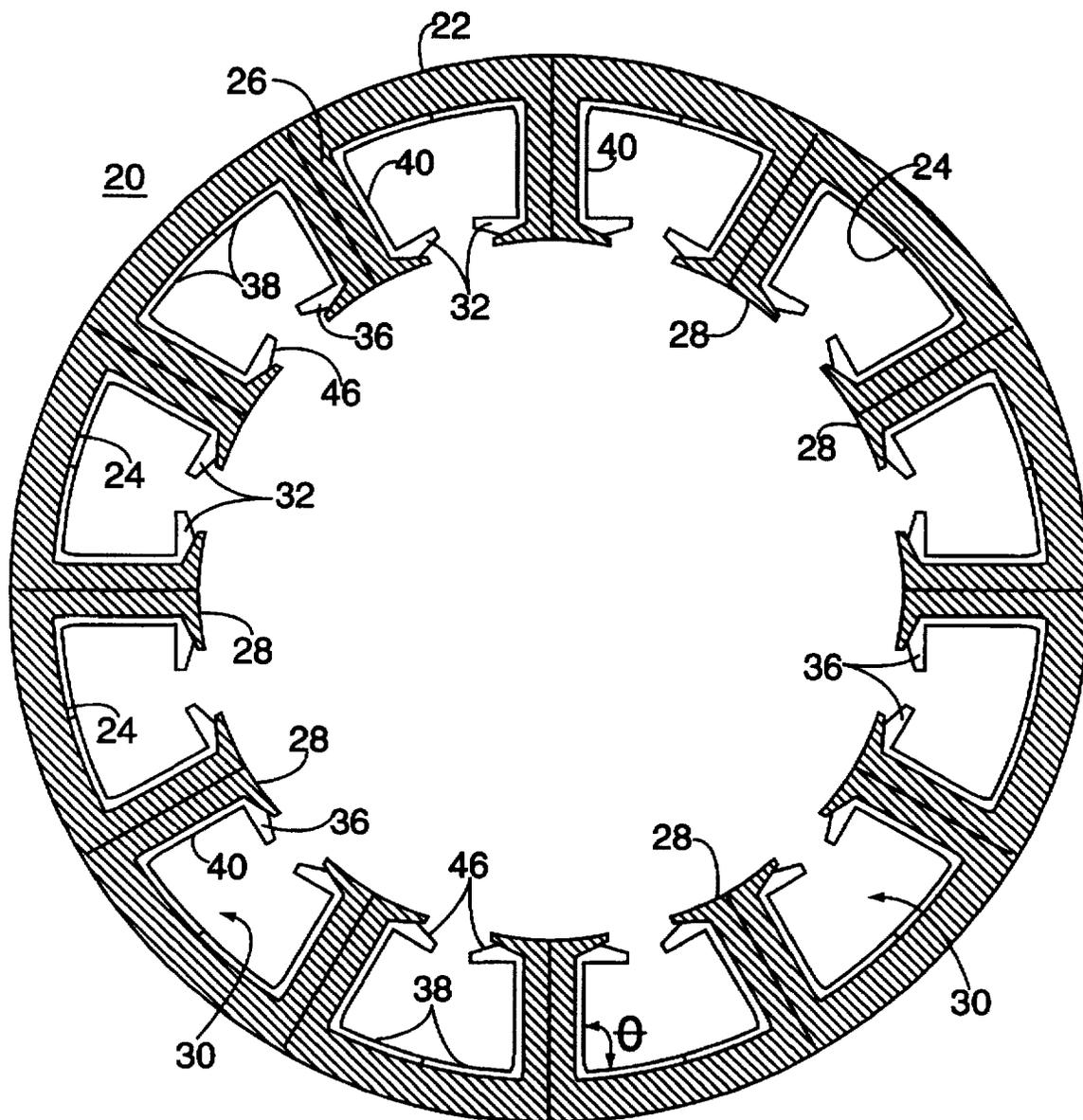


FIG. 3

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