[54] **COLLAPSIBLE CANOPY WITH TELESCOPING ROOF SUPPORT STRUCTURE**

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[51] Int. Cl.⁴ **E04H 15/18; E04H 15/50**

[52] U.S. Cl. **135/97;** 135/110; 52/109

[58] Field of Search 135/103, 97, 106, 98, 135/107, 108, 109, 110, 111, 112, 113; 52/109

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[57] **ABSTRACT**

A canopy structure is provided and includes a framework unit and a flexible covering. The framework unit is formed by a plurality of upright corner members and a plurality of roof support members that are pivotally connected at the top ends of the corner members and, in an erected position, extend upwardly and inwardly to a central apex where they are pivotally connected to one another. The roof support members are formed of extendable sections which preferably telescope with respect to one another so that the framework unit may move into a collapsed state with the corner support and roof support members oriented in closely spaced, parallel relation. Latches are provided to prevent the framework unit from collapsing from the erected position. Constraining and support structure, preferably in the form of scissor assemblies, interconnect adjacent corner support members to prevent them from moving apart past the erect state. The scissor assemblies have one portion pivotally connected to the tops of its associated corner supports and another portion pivotally connected to slide brackets on its associated corner support member. A cantilever member interconnects each roof support member and the slide bracket on its associated corner support member. The central apex may include a spring biased central post to support the peak of the covering placed on the framework unit. Several framework units may be formed together into a larger canopy structure.
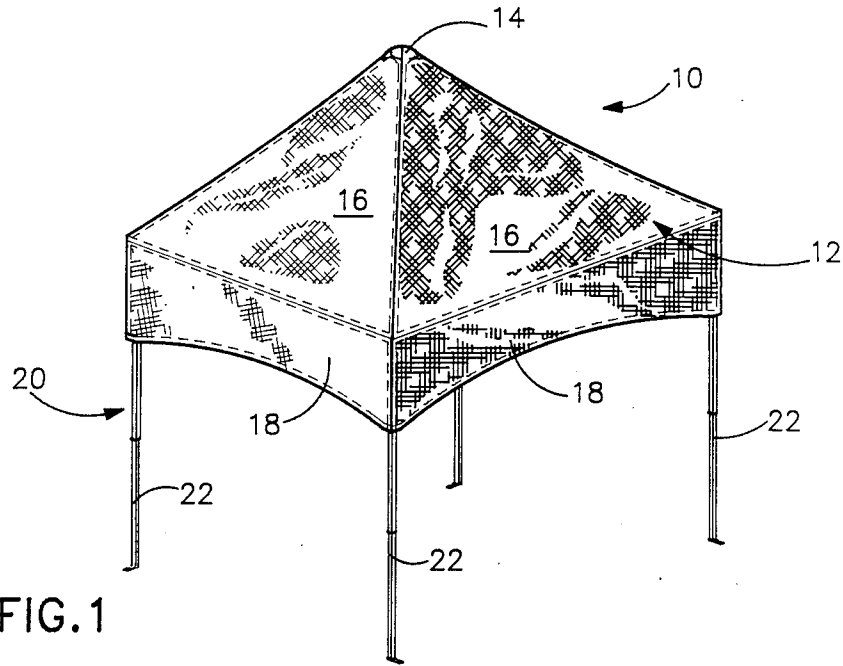
34 Claims, 4 Drawing Sheets

FIG.1

FIG.2

FIG.3

FIG.4
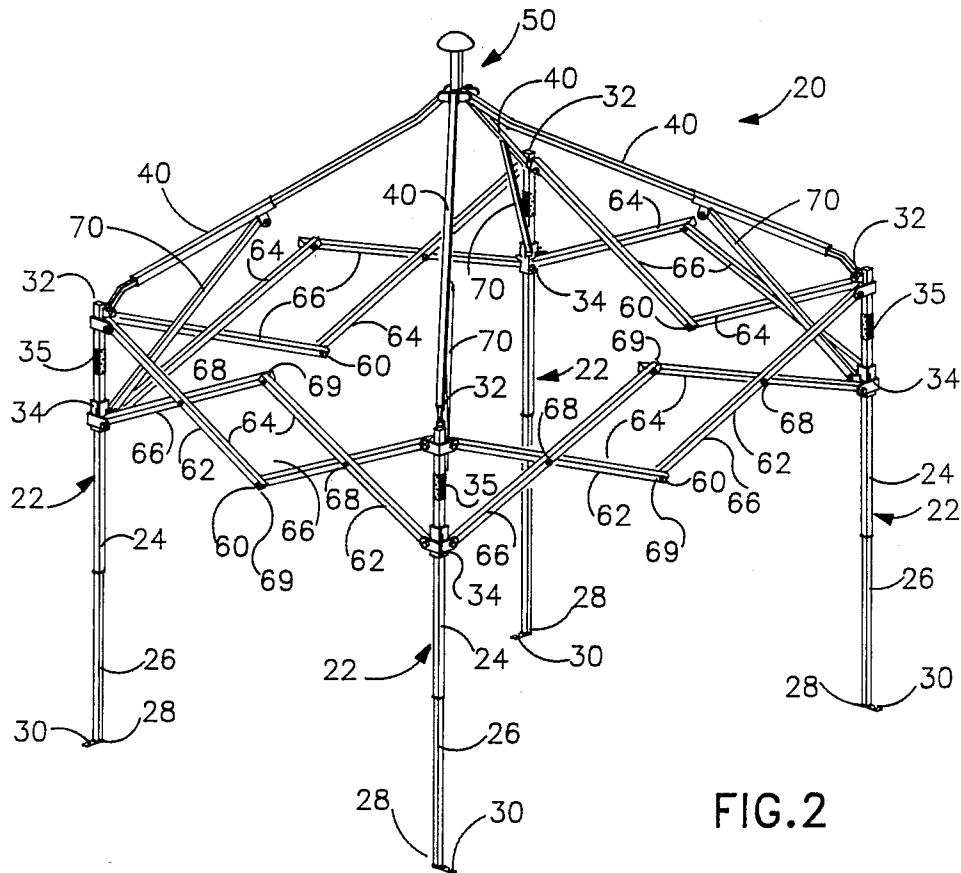
FIG.5
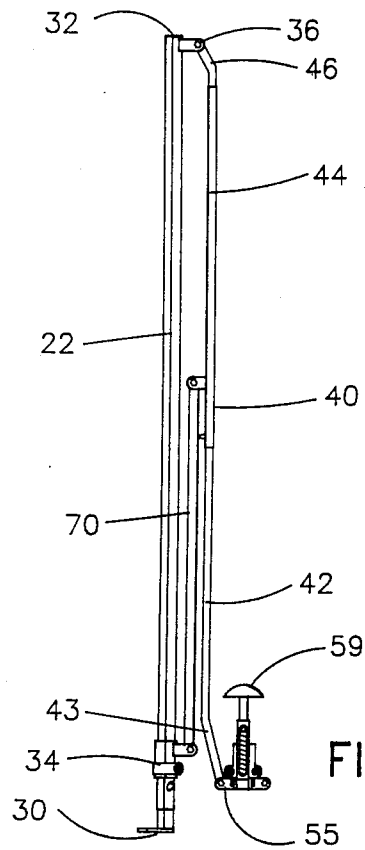

FIG.6

FIG.7

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FIG.8

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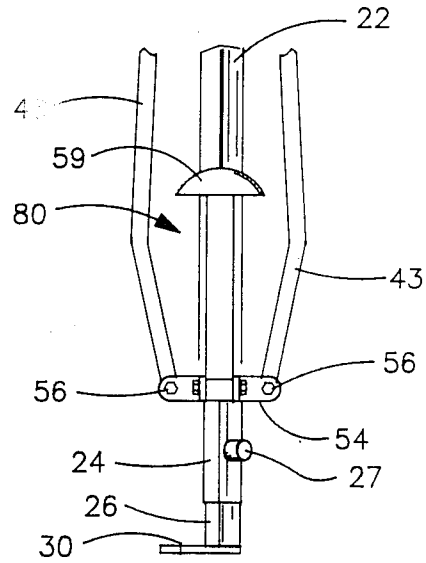
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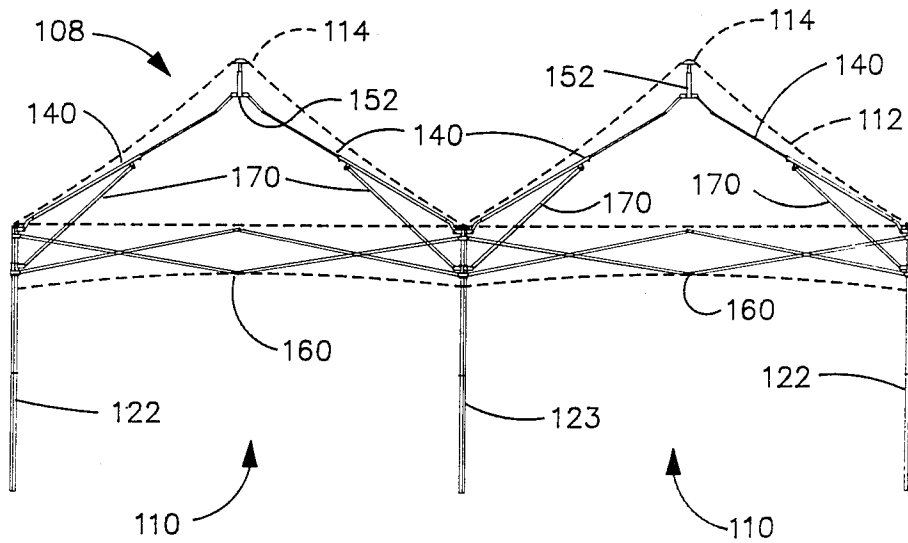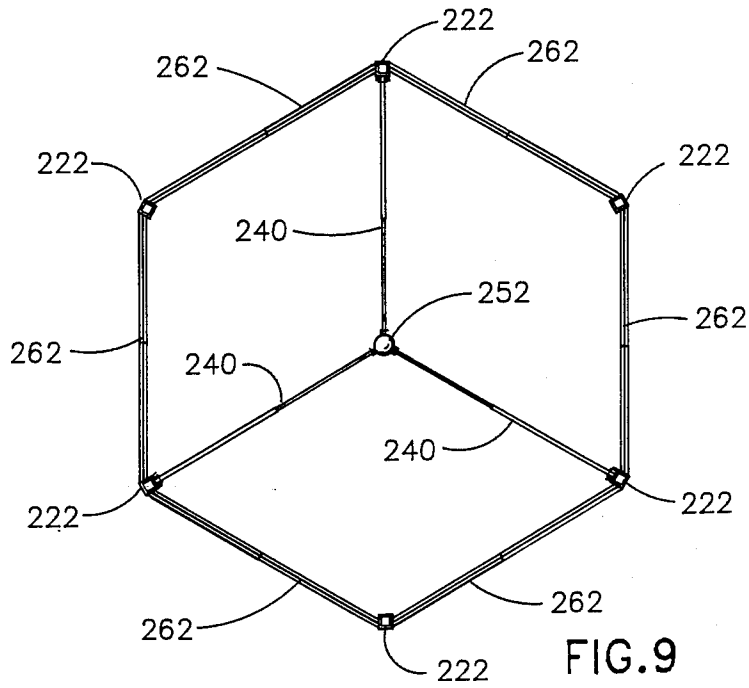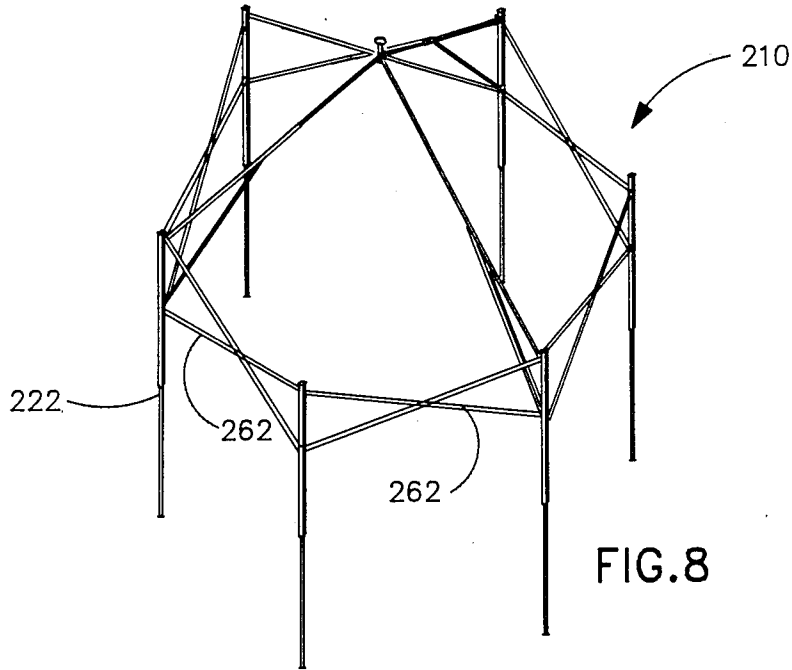
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FIG.9
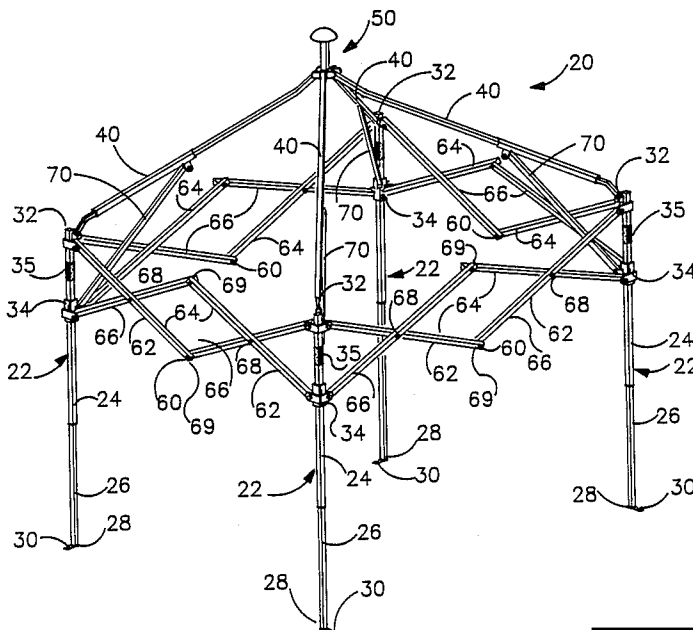
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