



# United States Patent [19]

Winton et al.

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[45] **Date of Patent:** **\*Dec. 5, 2000**

[54] **LIGHTING ASSEMBLY RAISED AND LOWERED ALONG POLE**

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[\*] Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

[21] Appl. No.: **09/081,755**

[22] Filed: **May 20, 1998**

[51] **Int. Cl.<sup>7</sup>** ..... **F21V 21/14**

[52] **U.S. Cl.** ..... **362/250; 362/249; 362/391; 362/403; 362/410; 362/431**

[58] **Field of Search** ..... 362/249, 250, 362/410, 414, 431, 285, 286, 384, 391, 401, 403

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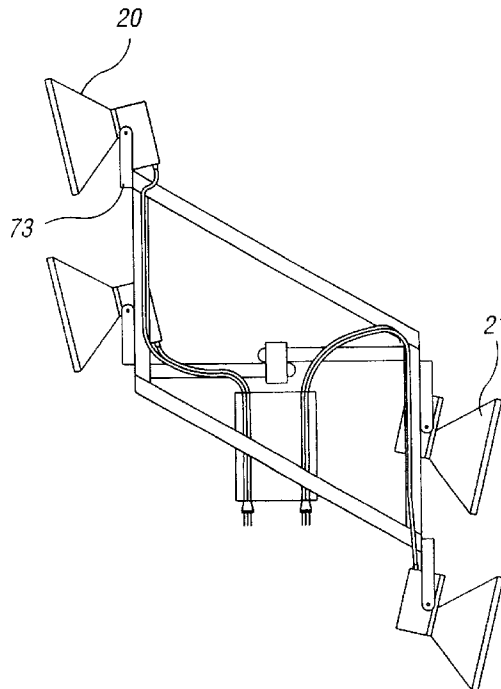
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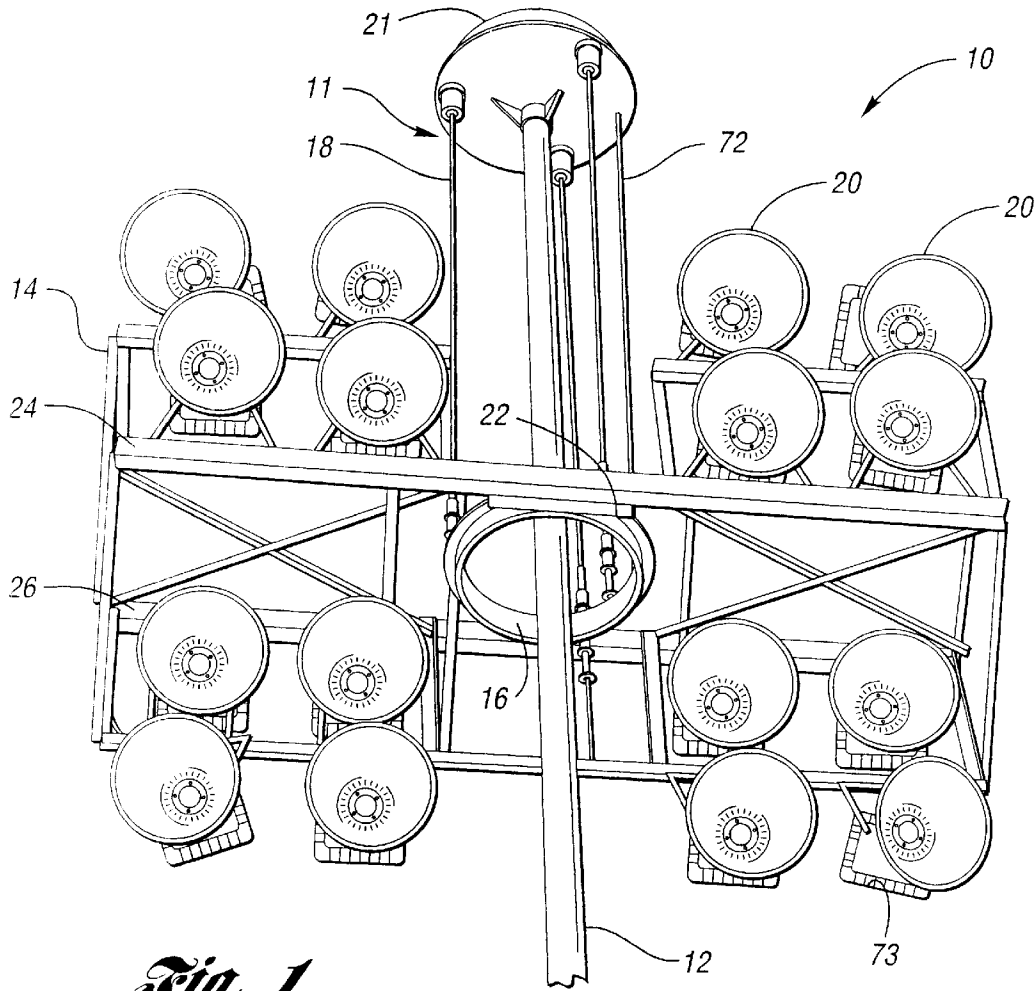
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[57] **ABSTRACT**

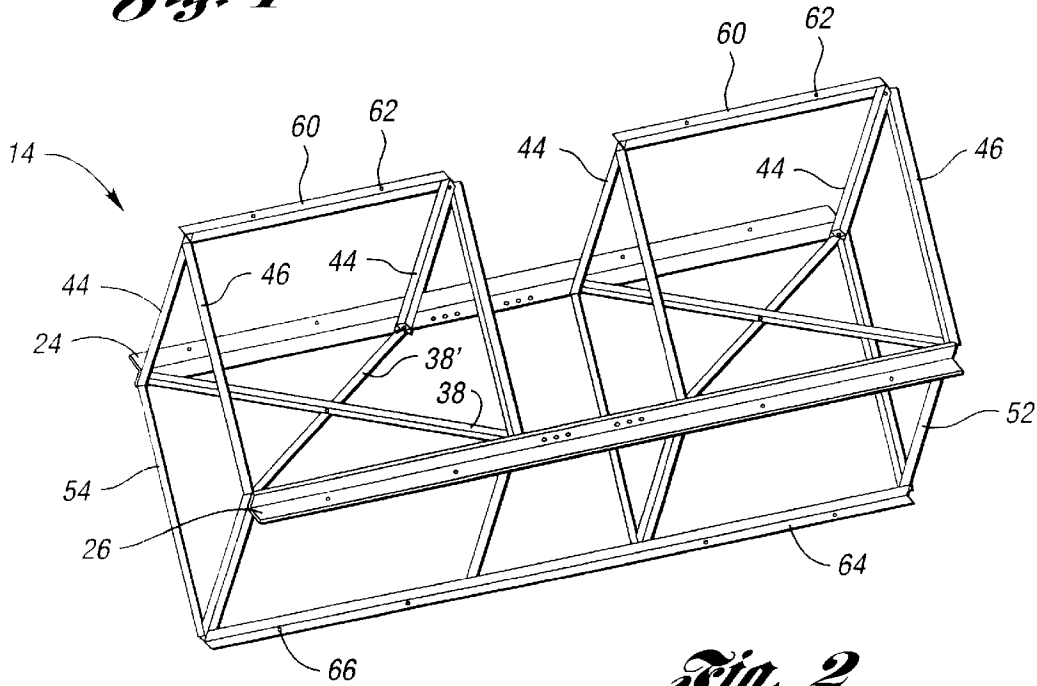
A lighting system is adapted to receive lighting fixtures and is capable of being raised and lowered along the length of an attendant pole which has a longitudinal axis is moved by a transport mechanism having a plurality of cables which extend from the lighting system to the base of the attendant pole. The lighting system includes at least one support member which is co-axially aligned with the longitudinal axis of the pole. Further included is a pair of transverse members which are oriented substantially parallel to each other and are attached by a plurality of cross-members extending therebetween. Each of the pair of transverse members is disposed on opposite sides of the at least one support member.

**7 Claims, 6 Drawing Sheets**

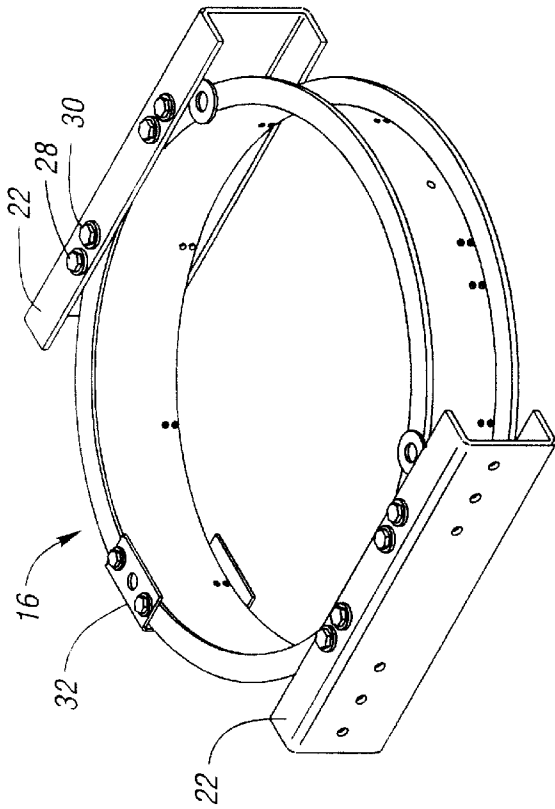




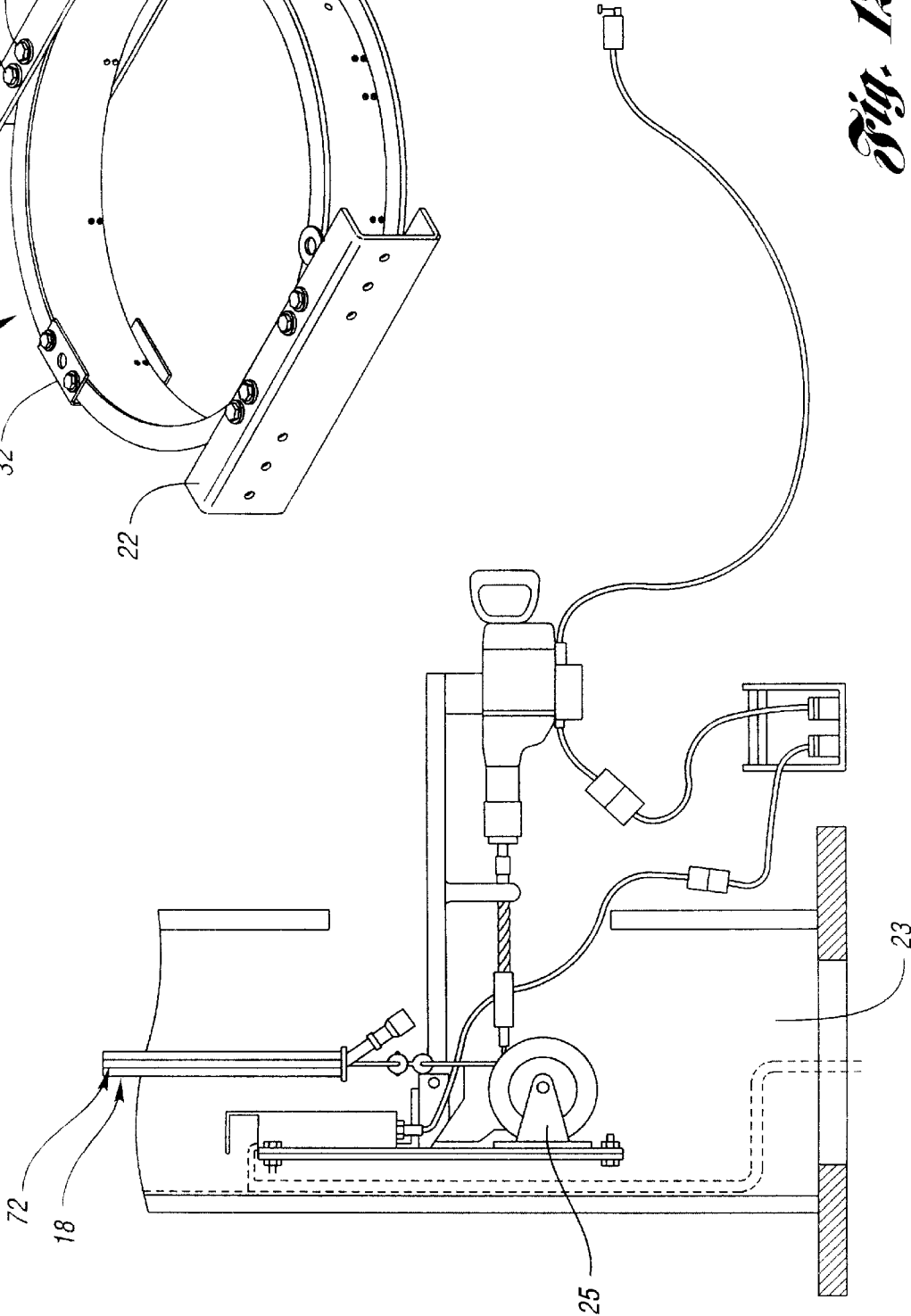
*Fig. 1*



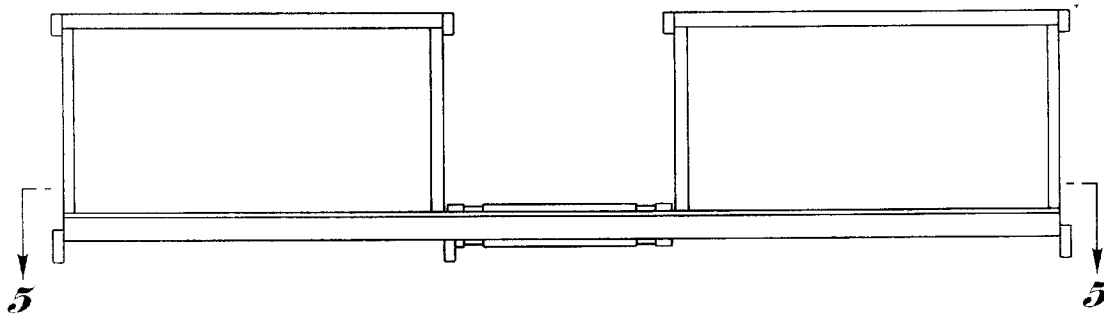
*Fig. 2*



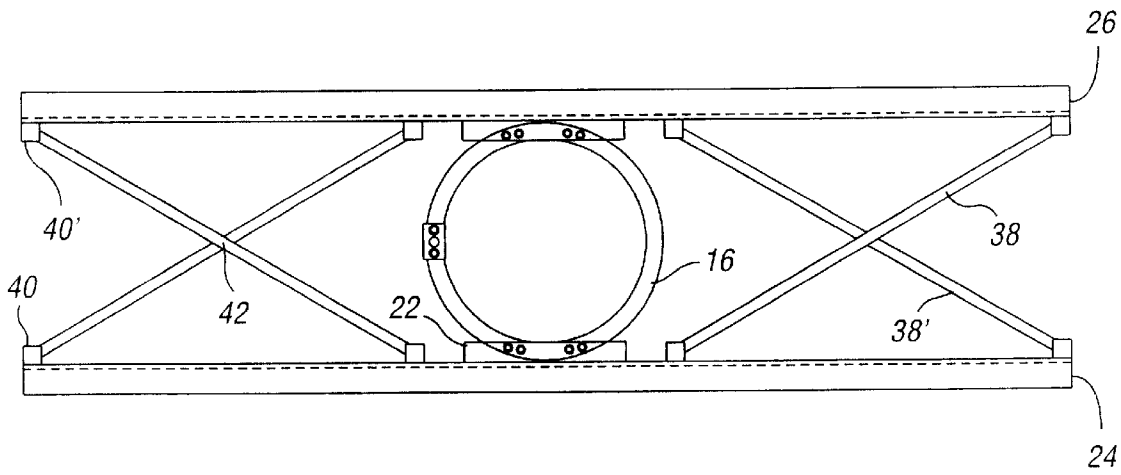
*Fig. 3*



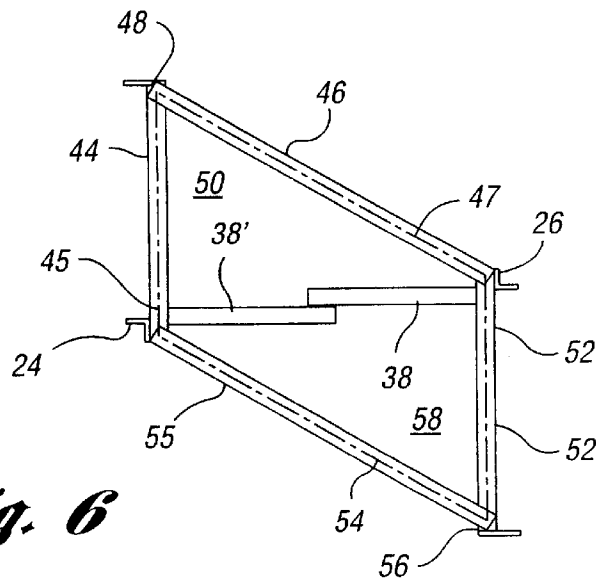
*Fig. 12*



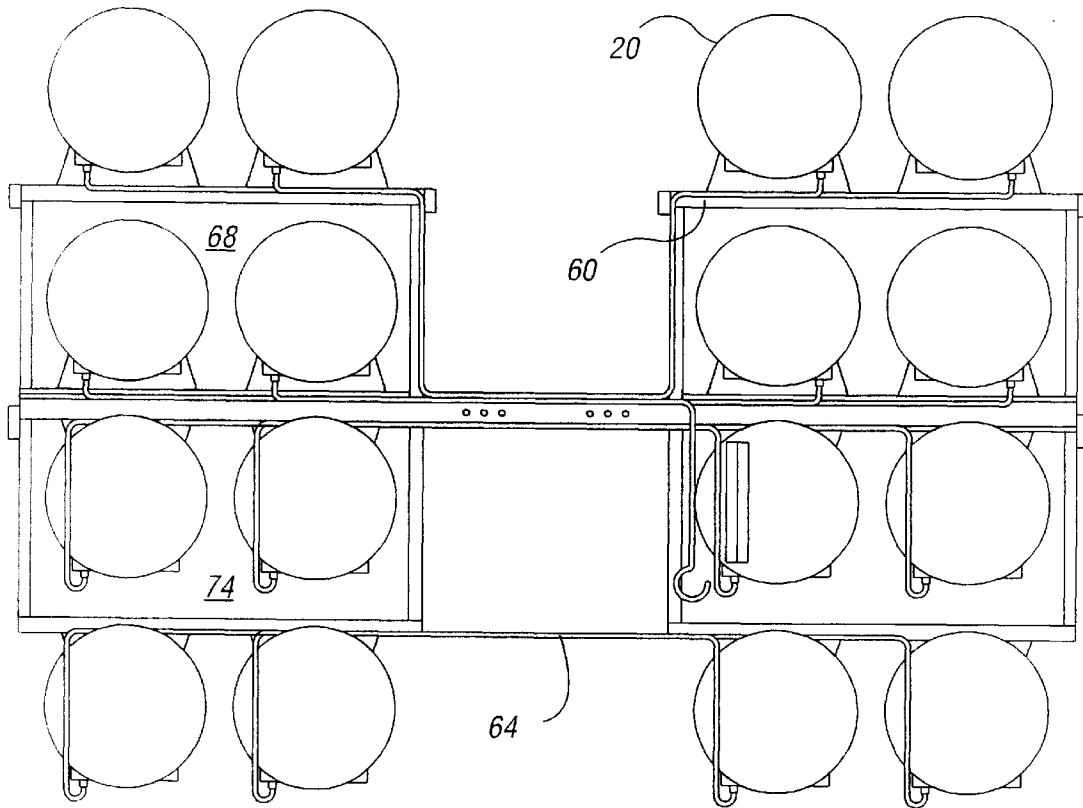
*Fig. 4*



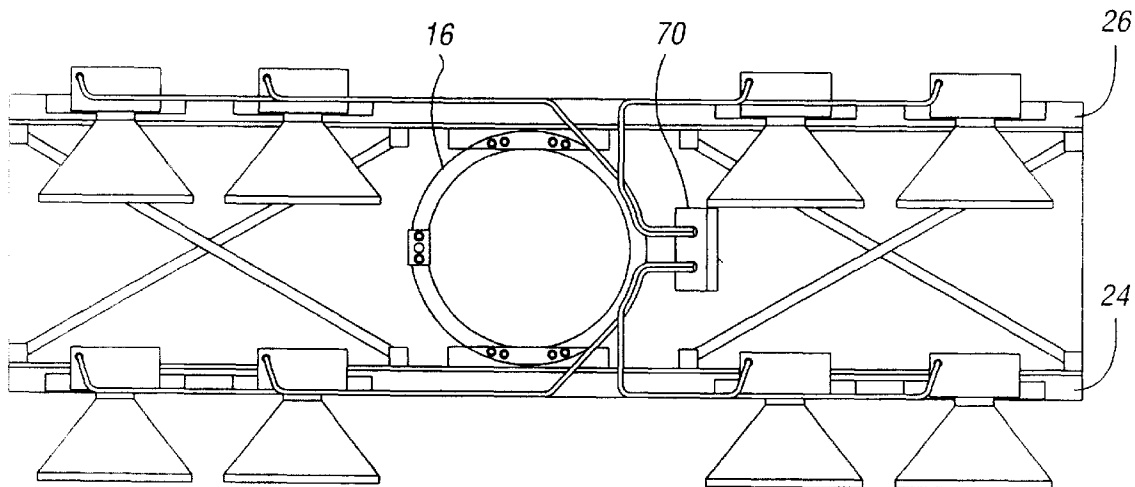
*Fig. 5*



*Fig. 6*



*Fig. 7*



*Fig. 8*

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