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(54) **VIDEO DISPLAY ARRAY OF SEALED, MODULAR UNITS**

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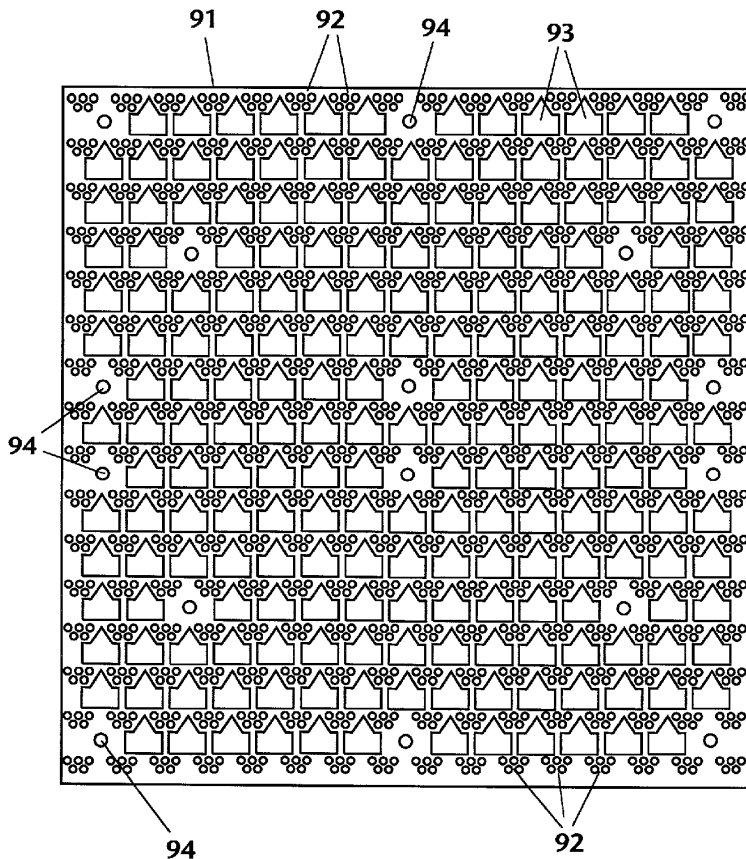(22) Filed: **Mar. 5, 2001**

(57)   **ABSTRACT**

A large format modular video display includes a plurality of video image units, each image unit sealed against environ-mental intrusions. Each image unit includes a housing having a front panel and a rear door panel that may be opened for access to the interior. Within the housing, a strongback member supports an LED circuit board having a large plurality of LEDs supported in pixel array, each pixel comprised of a plurality of LEDs of various colors. A gasket member is dimensioned to cover the pixel array of LEDs, and includes an array of LED holes in registration with the pixel array of the LED board, so that each LED extends through a respective hole in the gasket. The front panel of the housing also includes an array of LED holes in regis-tration with the holes of the gasket member, so that each pixel group of LEDs may extend through respective holes in the front panel and protrude forwardly therefrom. The LED circuit board and front panel are joined in compressive fashion with the gasket member sandwiched therebetween to seal the LED holes of the front panel and prevent intrusion of weather. A sunshade secured to the front panel includes a shade panel having an array of pixel holes, so that each pixel group of LEDs may protrude through a respective pixel hole in the sunshade. The sunshade includes a plurality of shade flanges, each shade flange disposed directly above a respec-tive row of pixel holes in the shade panel.
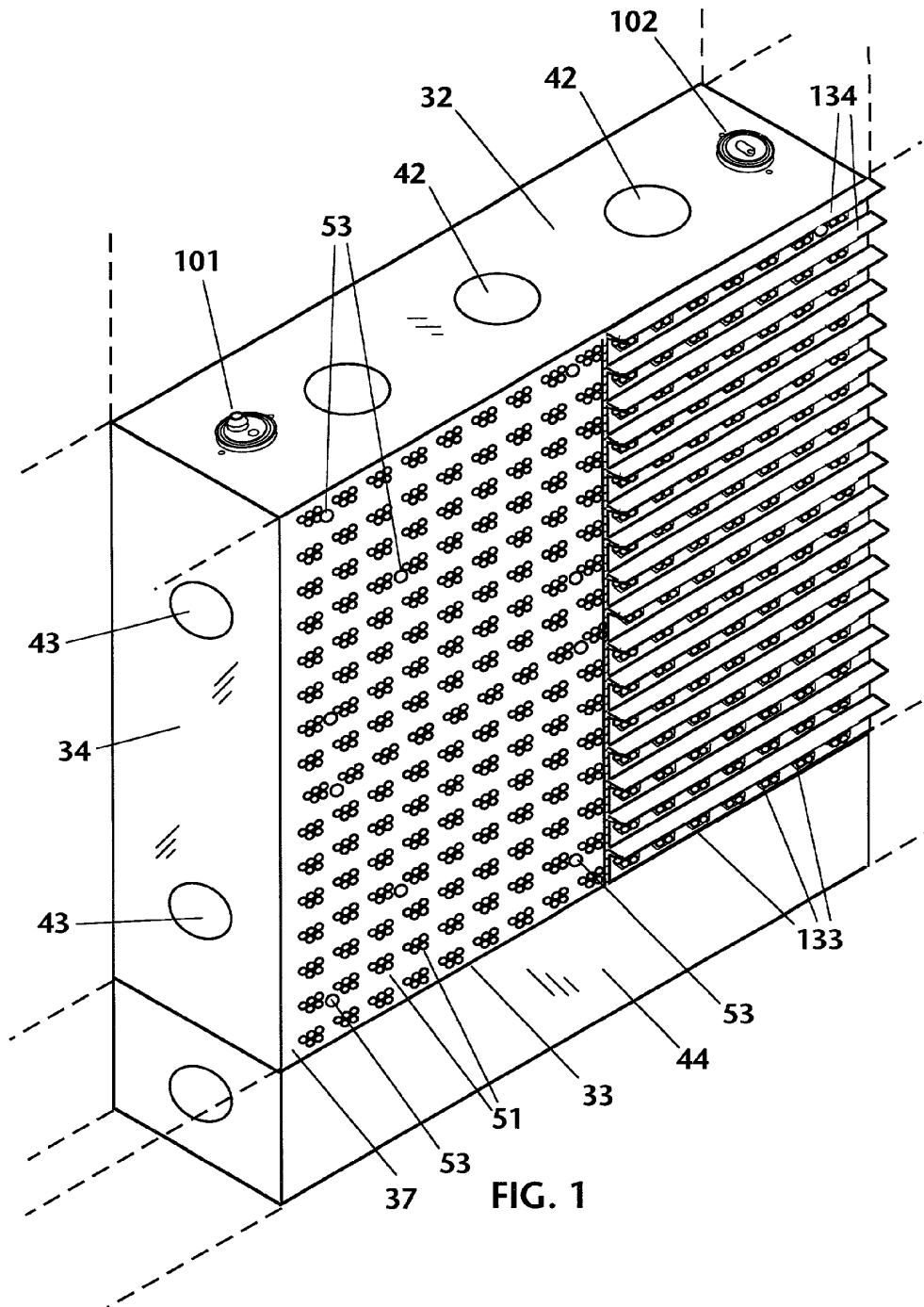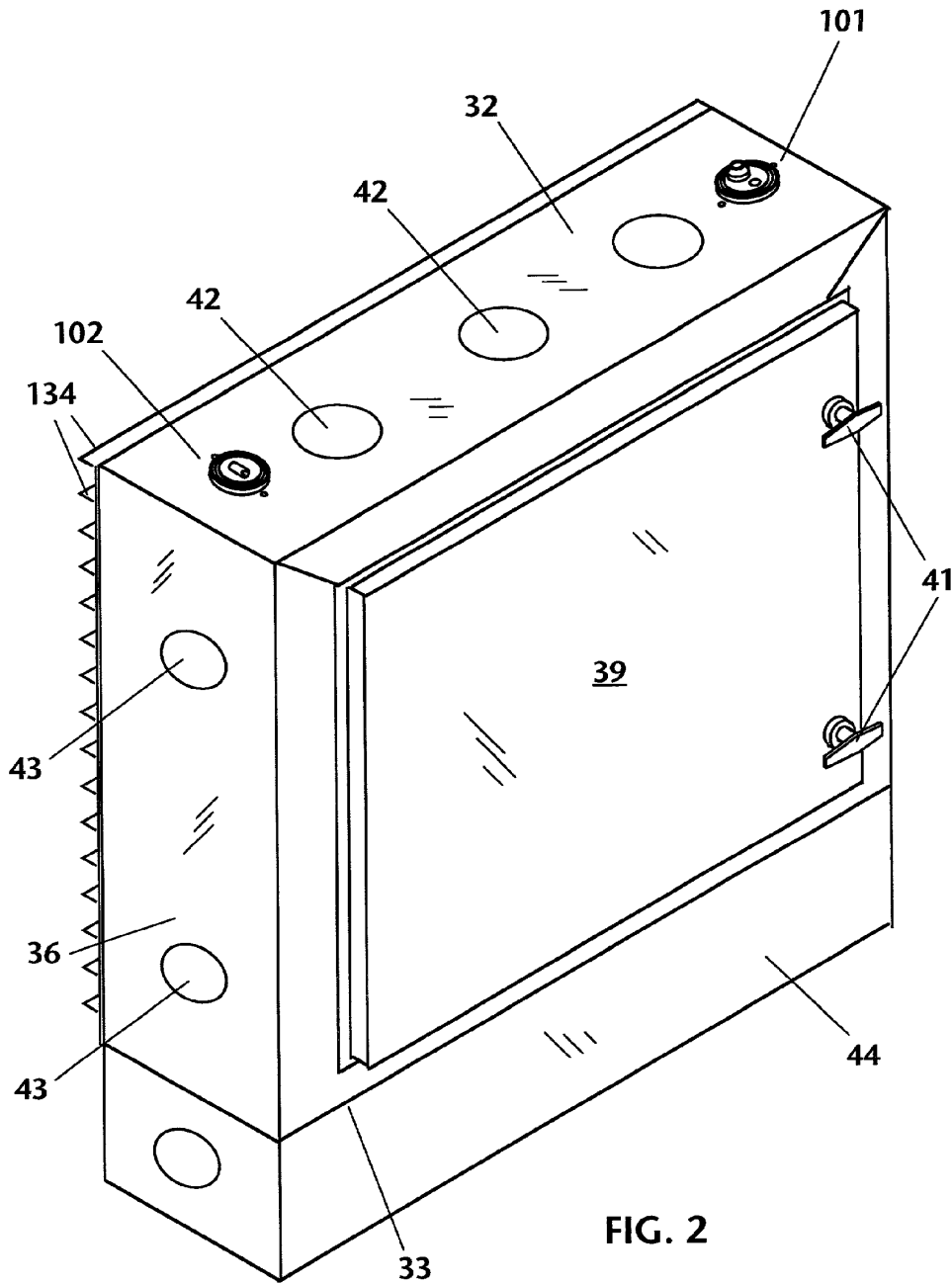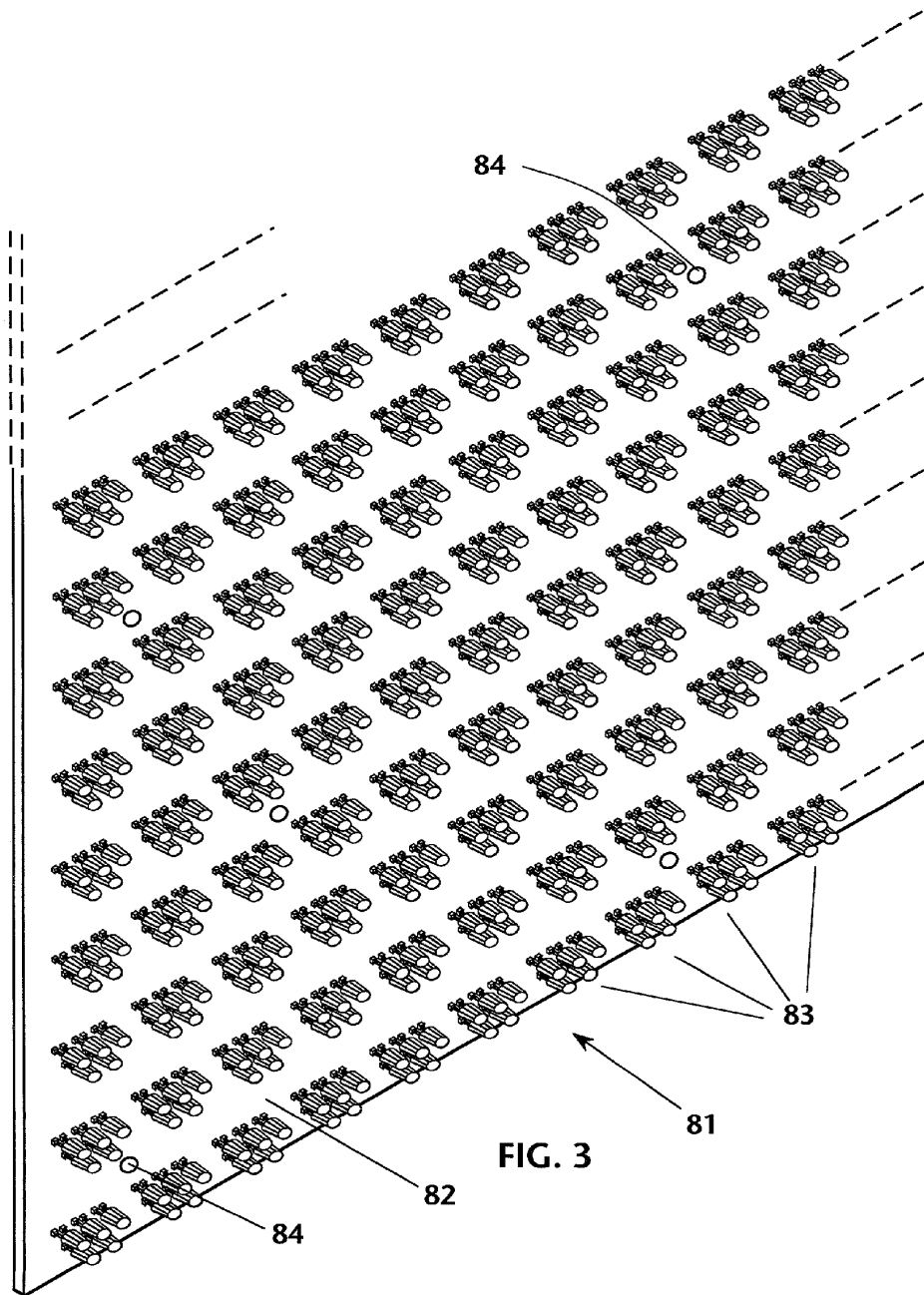
FIG. 1

FIG. 2

FIG. 3

FIG. 4

DOCKET ALARM
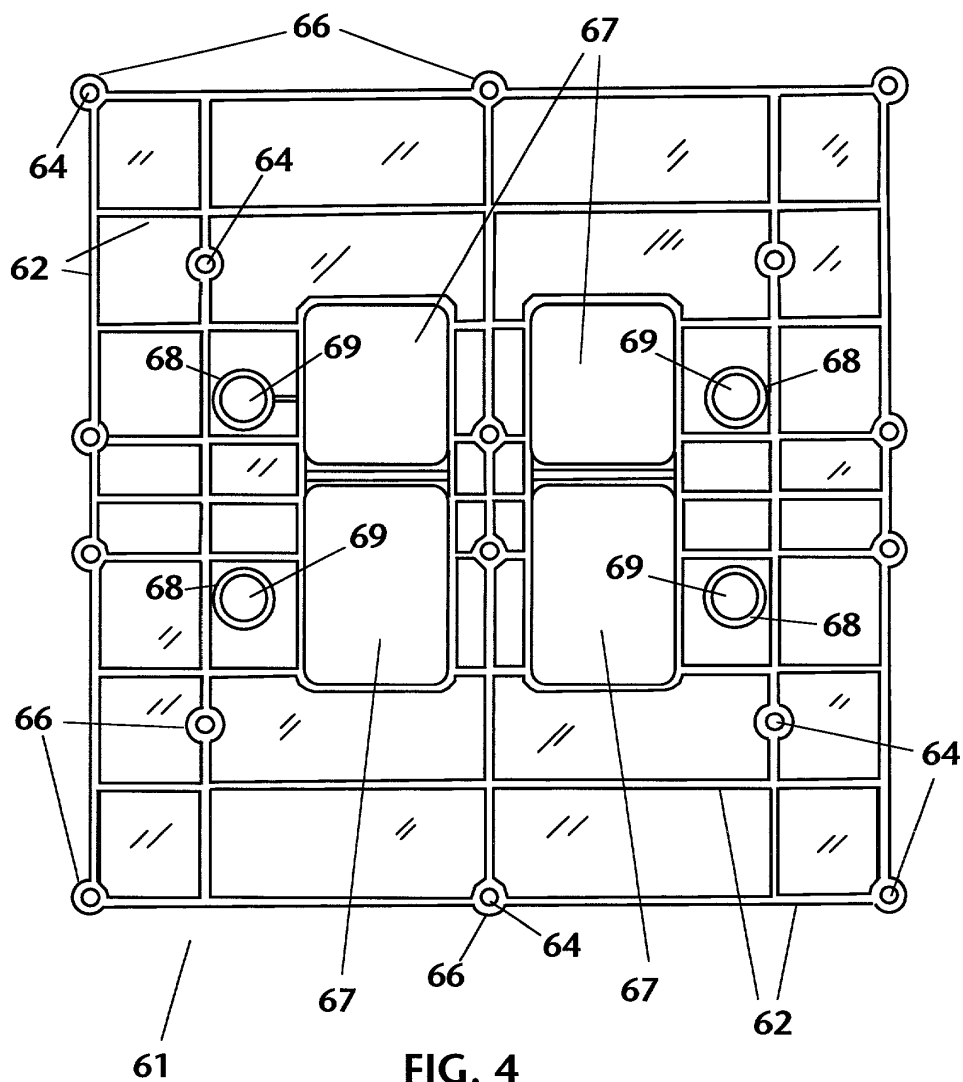
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