United States Patent [19]

Lara et al.

[54] **LCD MULTI-AXIS FLOATING MOUNT**

[75] Inventors: **Manuel Lara**; **Mark Woytassek**, both of Cedar Rapids, Iowa

[73] Assignee: **Rockwell International Corp.**, Seal Beach, Calif.

[21] Appl. No.: **347,775**

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[51] **Int. Cl.^{6}** **G02F 1/1333**

[52] **U.S. Cl.** **349/58**; 361/681

[58] **Field of Search** 359/83; 361/681; 348/836

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Primary Examiner—William L. Sikes
Assistant Examiner—Charles Miller
Attorney, Agent, or Firm—Gregory G. Williams; M. Lee Murrah; G. A. Montanye

[57] **ABSTRACT**

Newton rings on a liquid crystal display (LCD) are avoided by connecting the frame of the LCD to the chassis without deflecting the frame outward toward the chassis. A first connecting mechanism coupled to the frame and to the chassis at least partially secures the frame to the chassis by prohibiting movement of the frame relative to the chassis in a first direction, but allows at least partial movement of the frame relative to the chassis in a second direction non-parallel to the first direction. A second connecting mechanism coupled to the frame and to the chassis at least partially secures the frame to the chassis by prohibiting movement of the frame relative to the chassis in the second direction, but allows at least partial movement of the frame relative to the chassis in the first direction. In combination, the coupling mechanisms prohibit movement of the frame relative to the chassis in both the first and second directions.
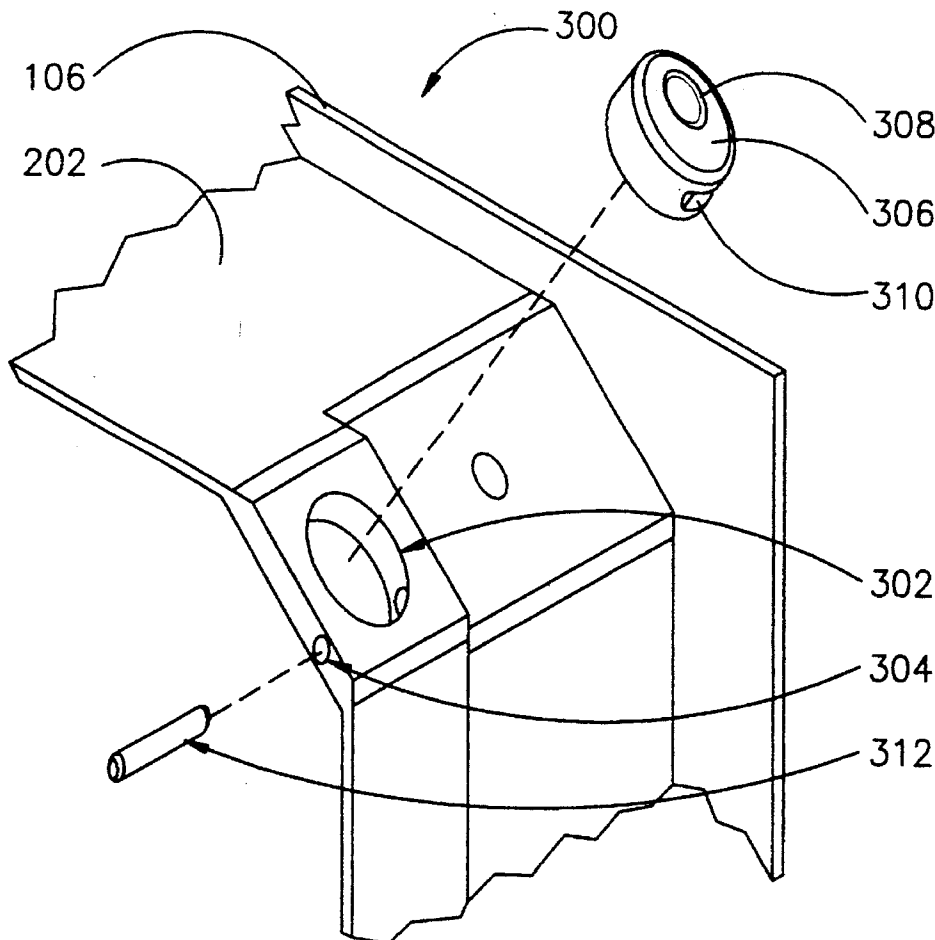
20 Claims, 4 Drawing Sheets
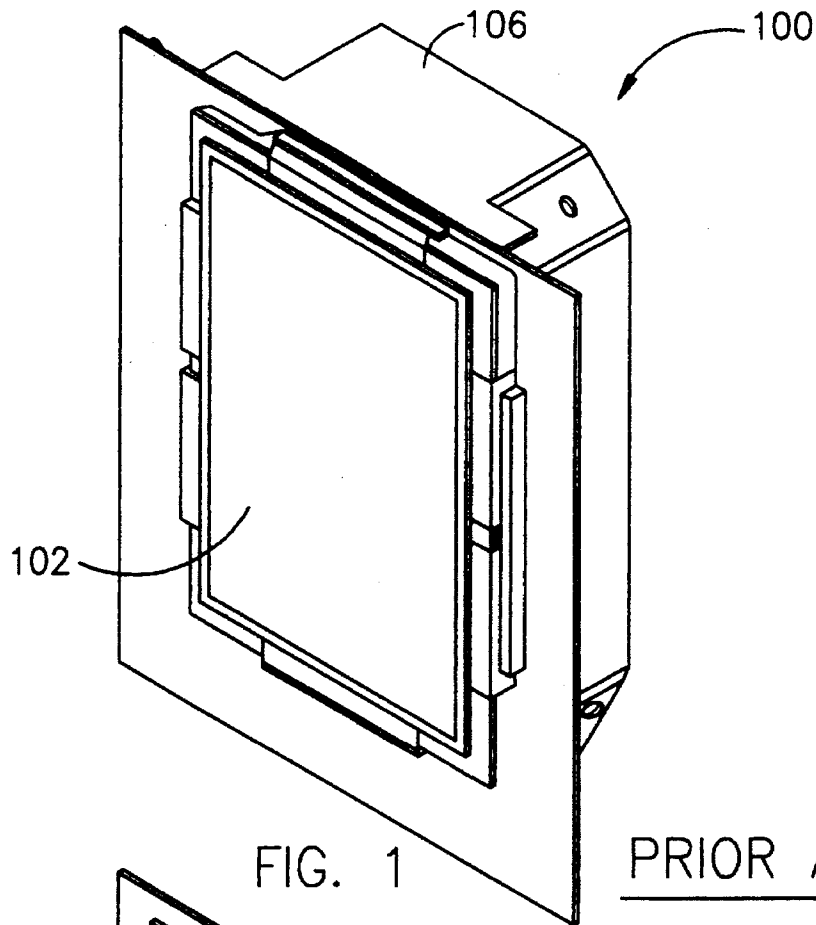
FIG. 1   PRIOR ART

PRIOR ART

FIG. 2
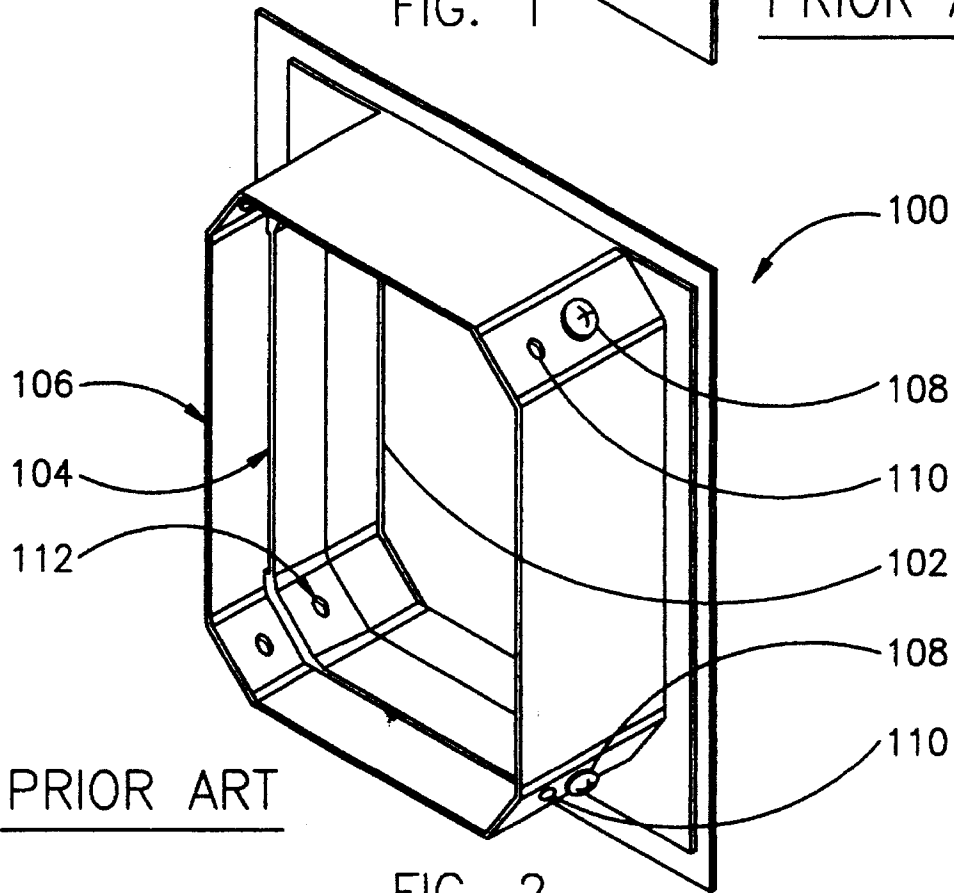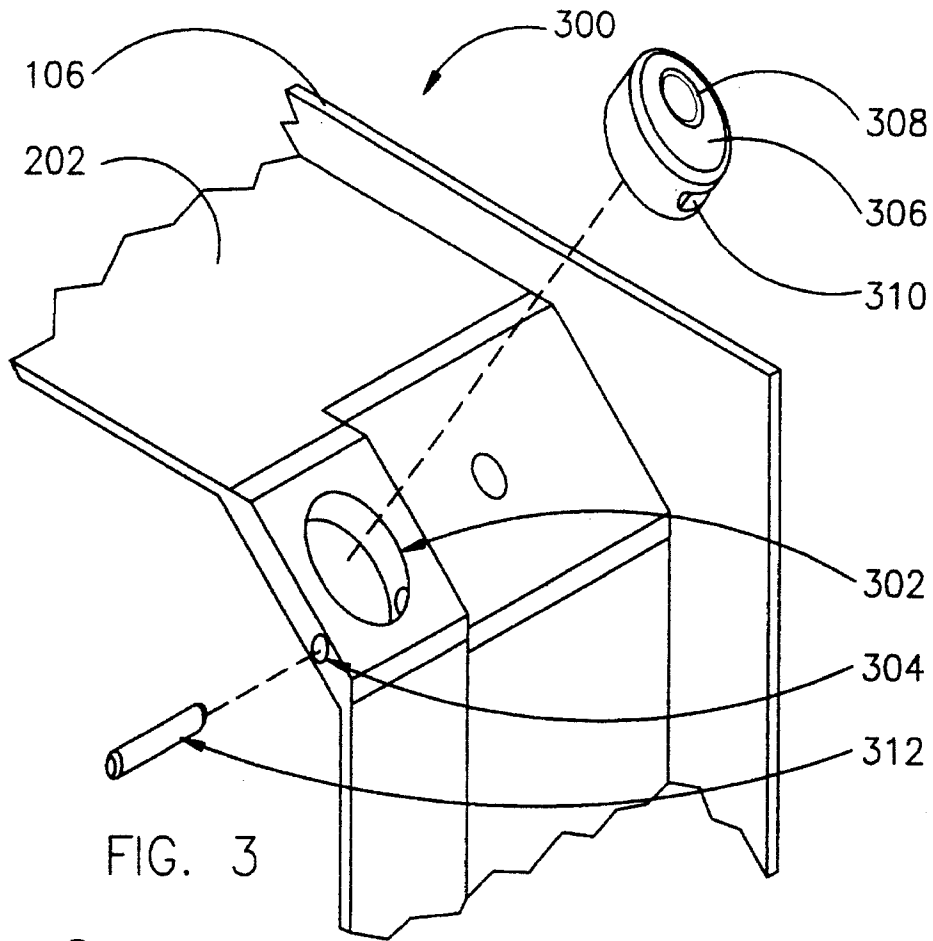
FIG. 3

FIG. 4

FIG. 5

FIG. 6

DOCKET ALARM
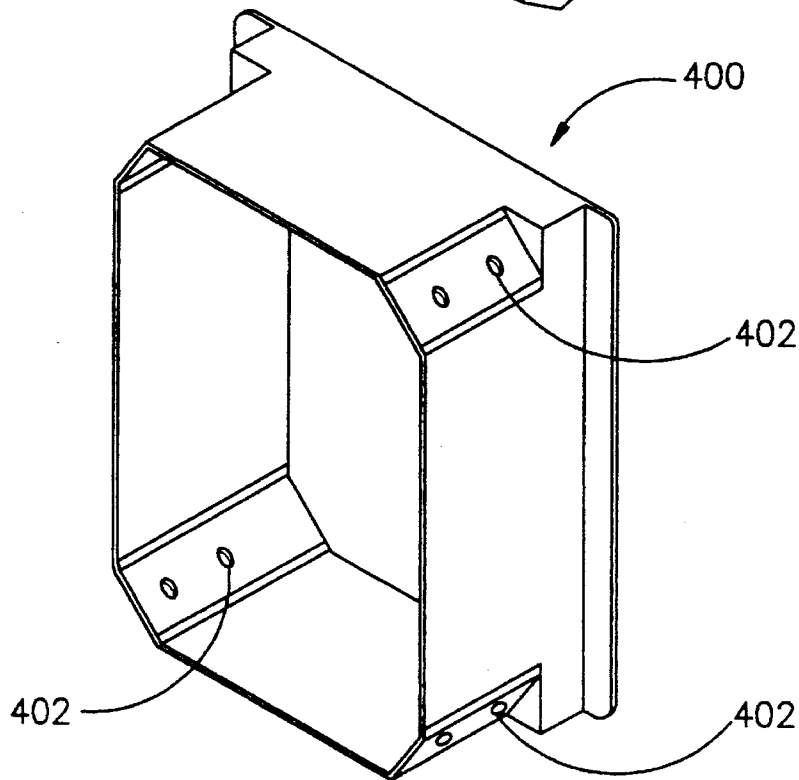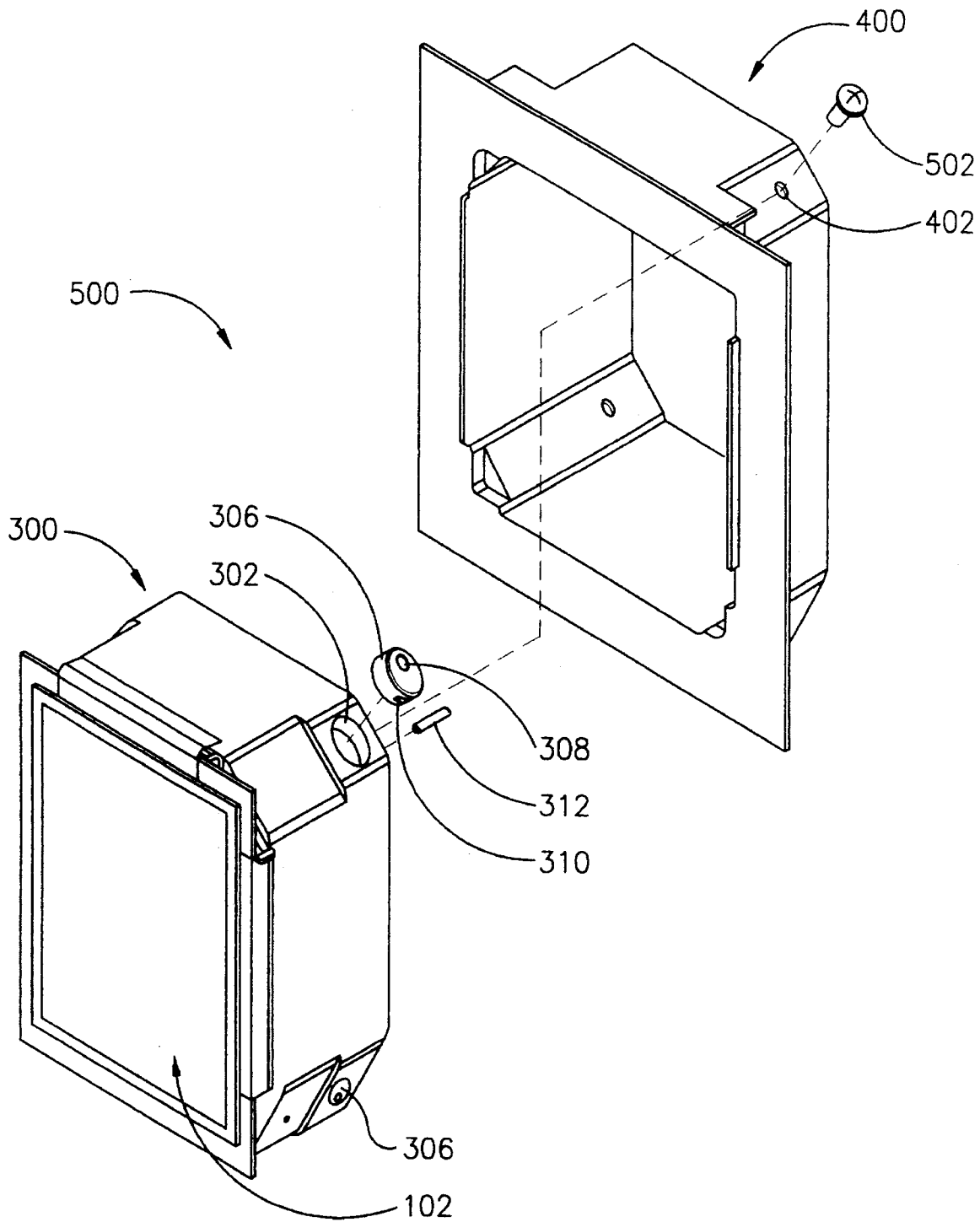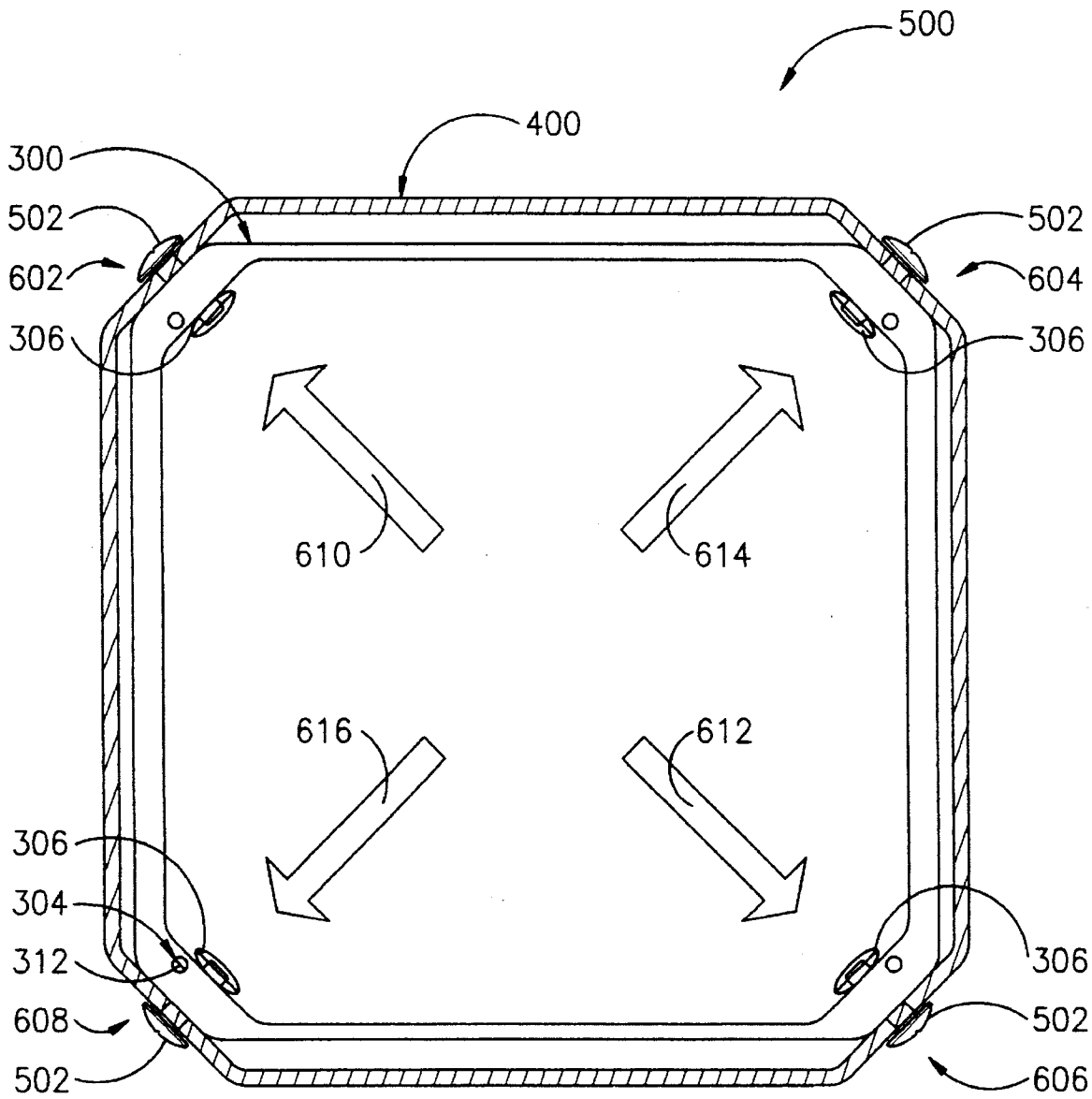
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