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(12) **United States Patent Header**

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(45) **Date of Patent:** Feb. 12, 2019

(54) **INFILL PANEL AND OPERABLE FENESTRATION FRAME ADJUSTMENT DEVICE**

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(72) Inventor: **Gregory A Header**, Richland, PA (US)

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(21) Appl. No.: **15/844,326**

(22) Filed: **Dec. 15, 2017**

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(51) **Int. Cl.**
E06B 3/54 (2006.01)
E06B 3/72 (2006.01)
E06B 3/26 (2006.01)

Who Gets the Blame when an Expensive Show-Window is Broken? Advertisement from the Zouri Drawn Metals company, Chicago Heights, IL, The American Contractor Magazine, p. 95, Apr. 15, 1916.

(Continued)

(52) **U.S. Cl.**
CPC *E06B 3/5409* (2013.01); *E06B 3/26* (2013.01); *E06B 3/72* (2013.01)

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(58) **Field of Classification Search**
CPC E06B 3/5409; E06B 3/26; E06B 3/72
USPC ... 52/204.5, 204.53, 204.62, 204.64, 204.65, 52/204.72, 204.1

See application file for complete search history.

(57) **ABSTRACT**

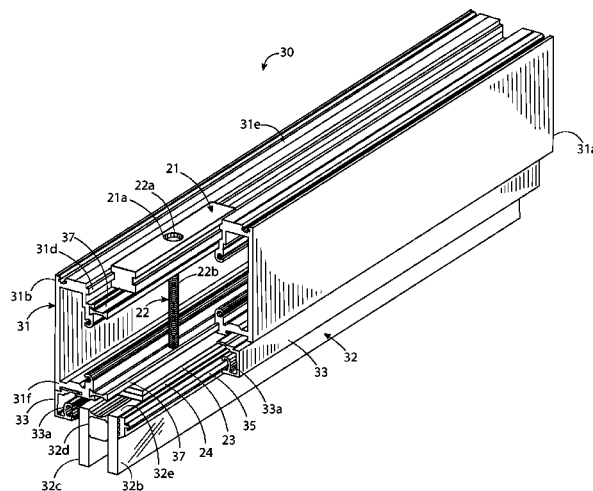
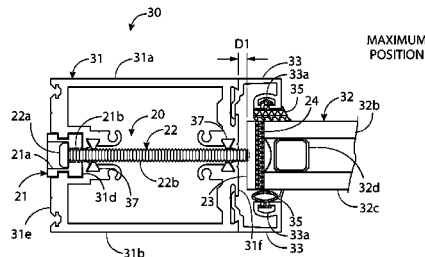
A system for adjusting infill panel or operable fenestration frame in an operable fenestration. The system can include a setting block adjustment device and an operable fenestration frame such as a door rail or window sash with glass, acrylic, polycarbonate or other infill material. The setting block adjustment device can include a lug, a threaded fastener, a setting block support plate, and a setting block. The lug is slidably captive within a groove in an outer face of the operable fenestration. The threaded fastener engages a threaded aperture within a blind hole in the lug. The fastener end engages the setting block support plate and setting block to adjust the infill panel.

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20 Claims, 31 Drawing Sheets



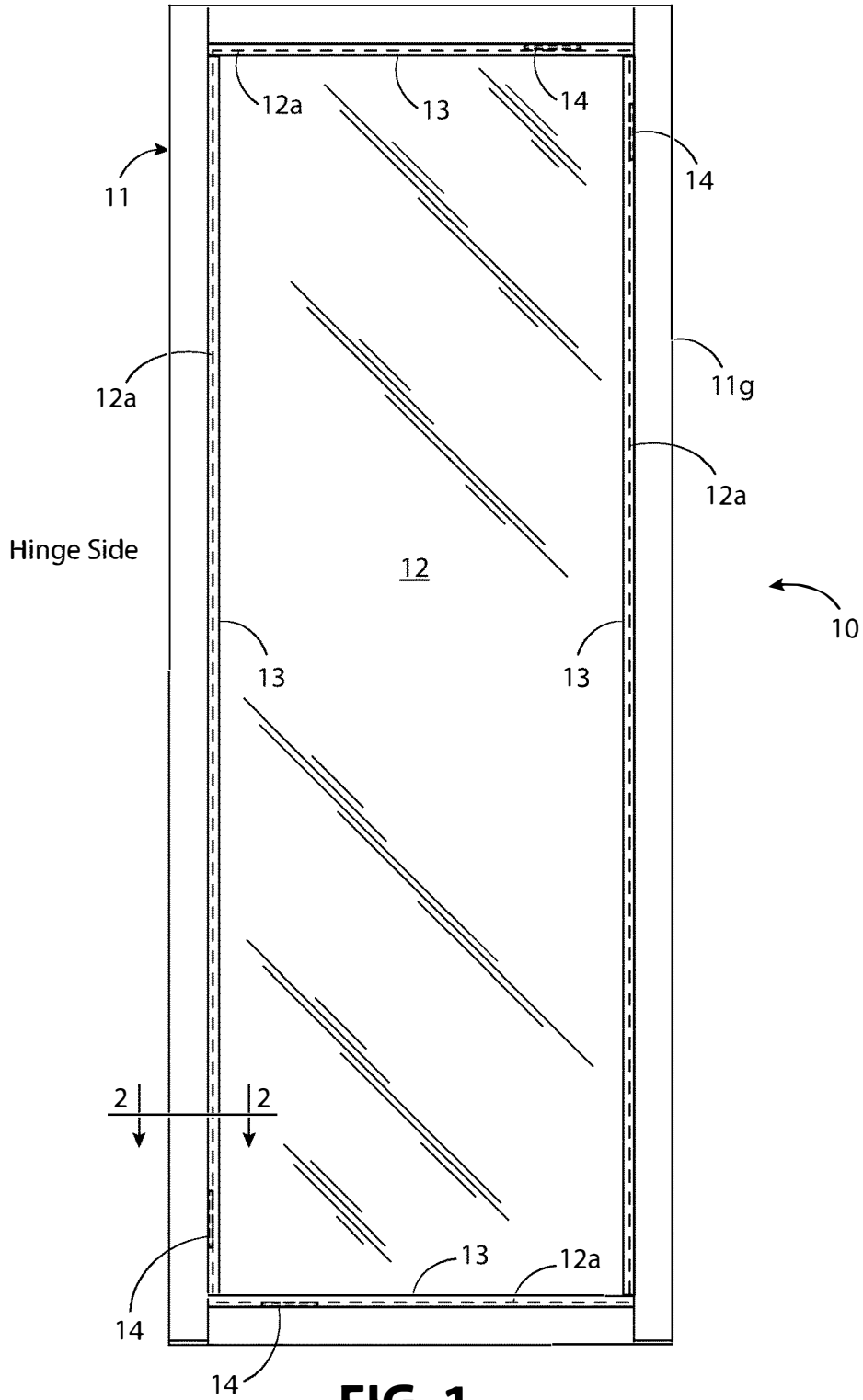


FIG. 1
PRIOR ART

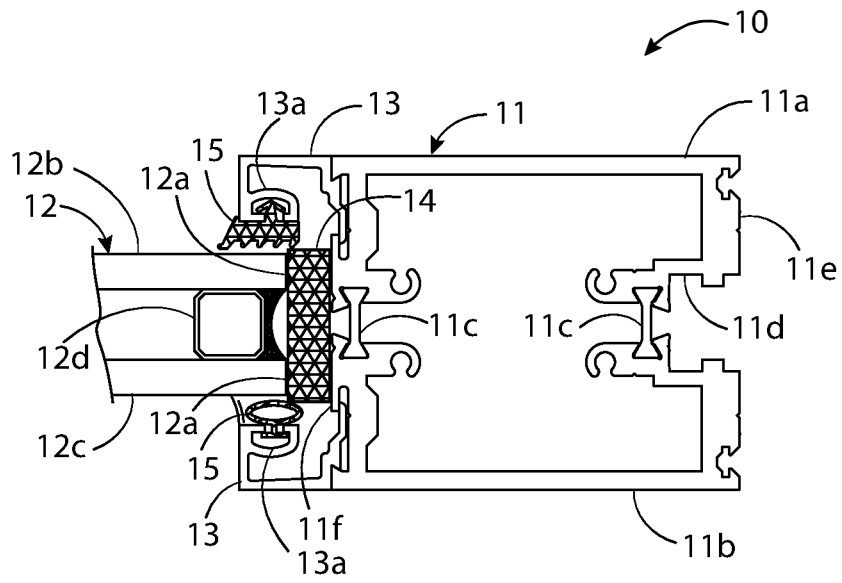


FIG. 2
PRIOR ART

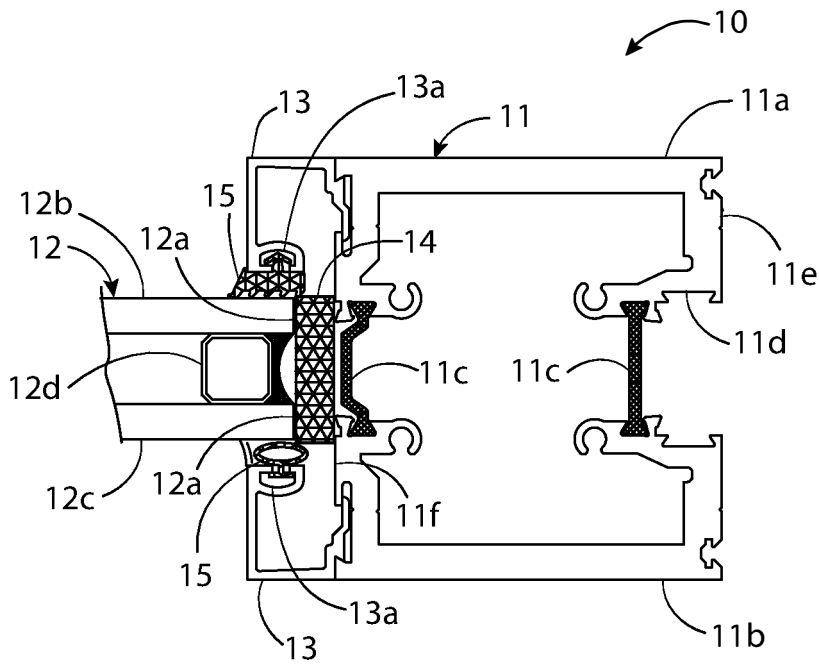


FIG. 3
PRIOR ART

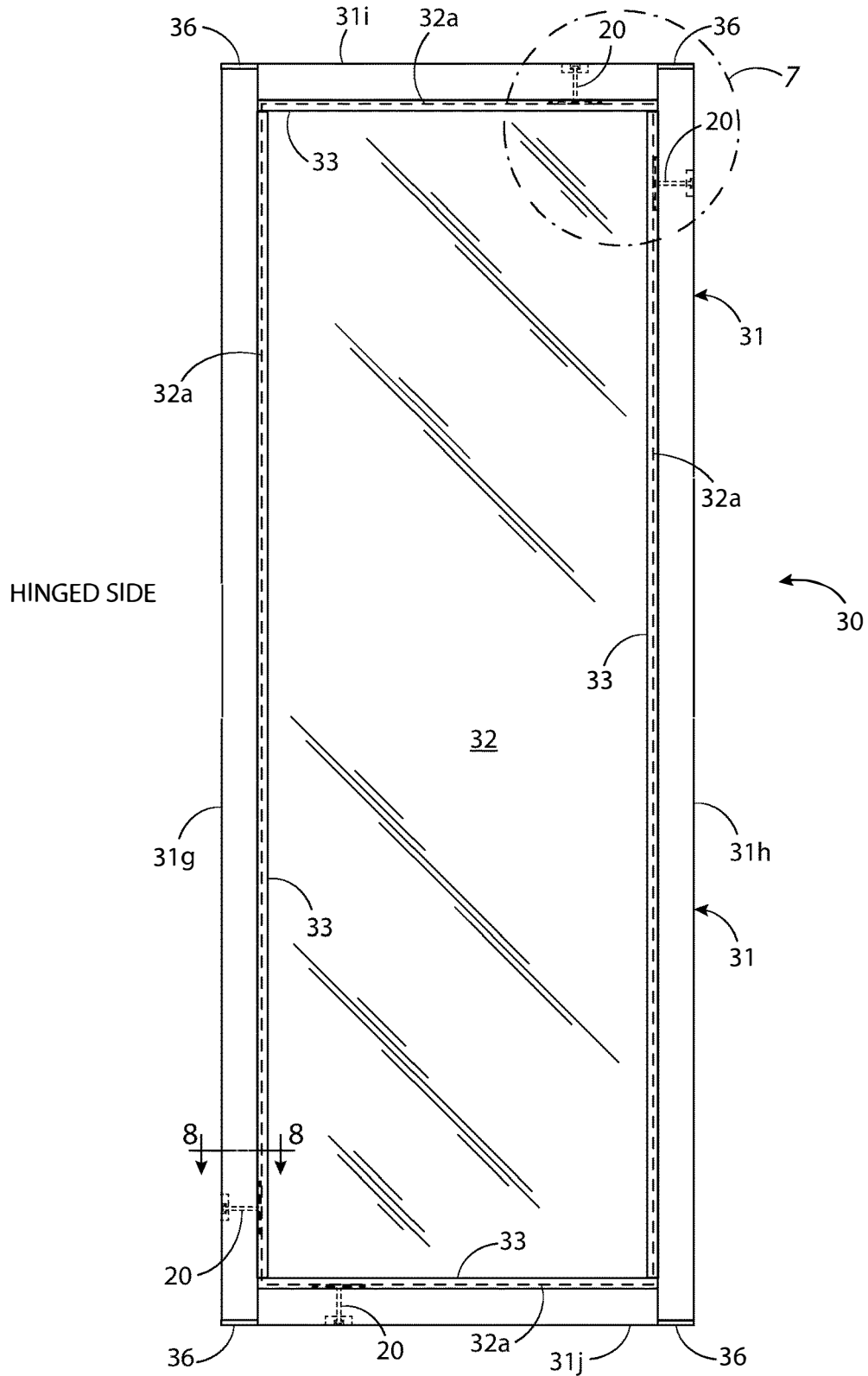


FIG. 4

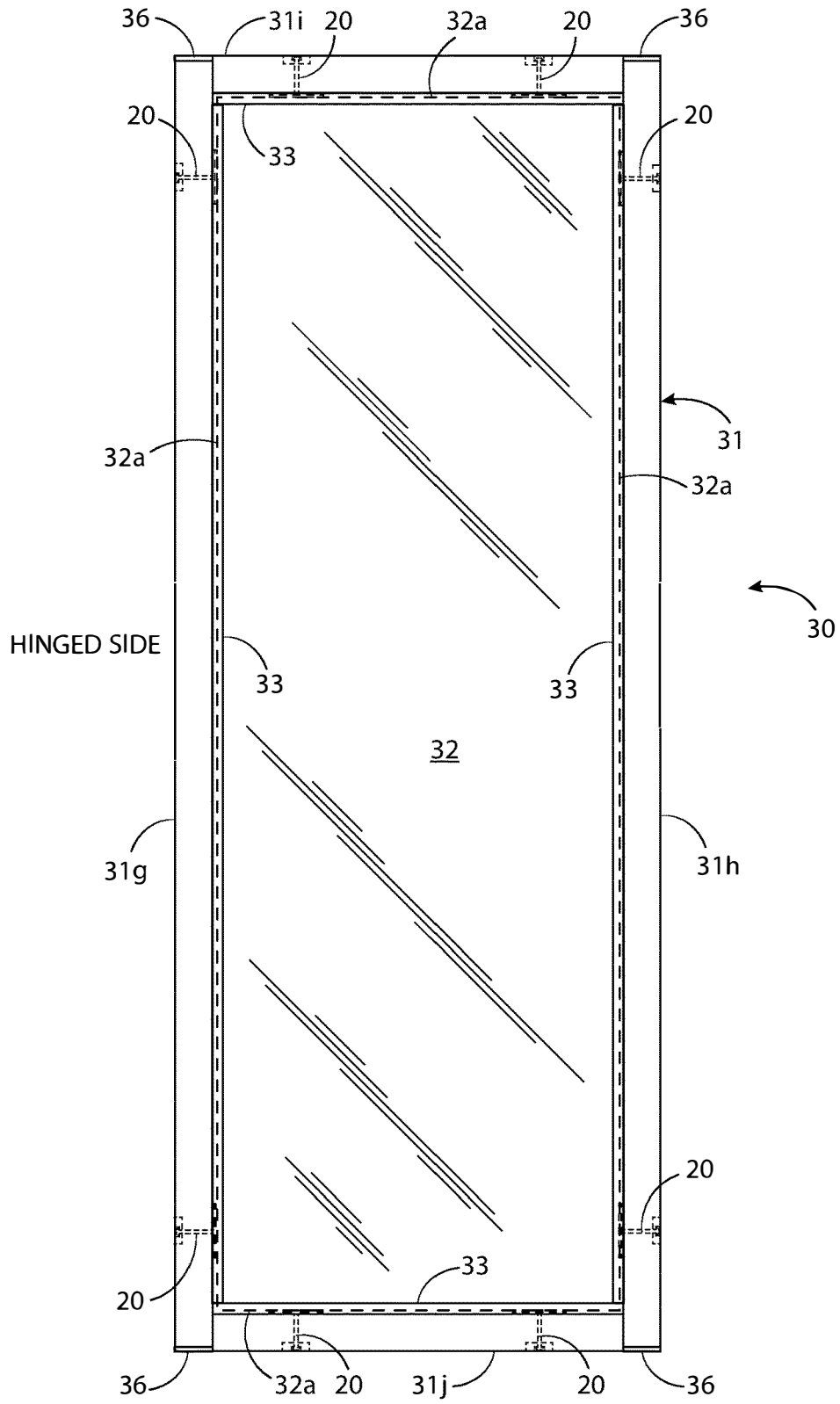


FIG. 5

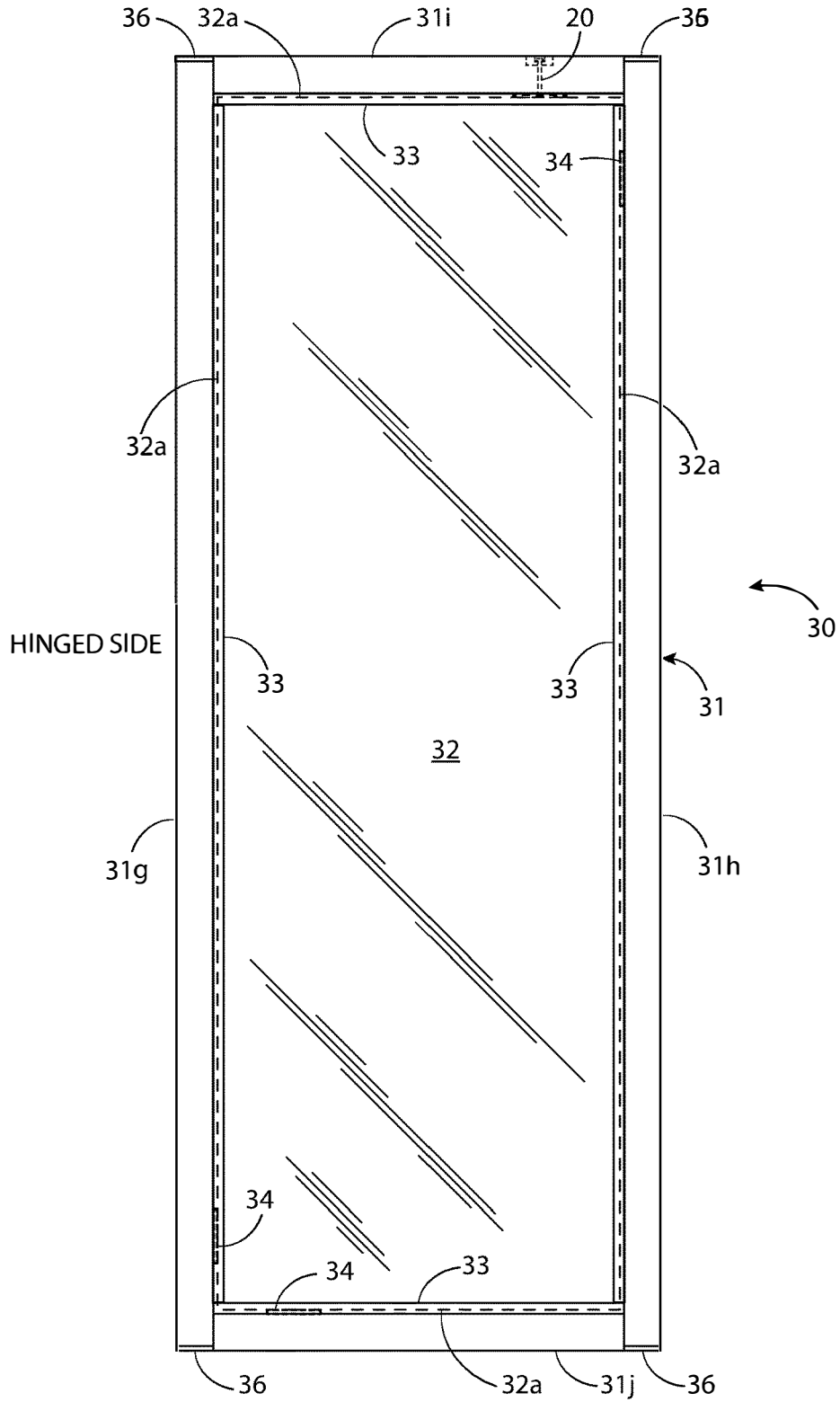


FIG. 6

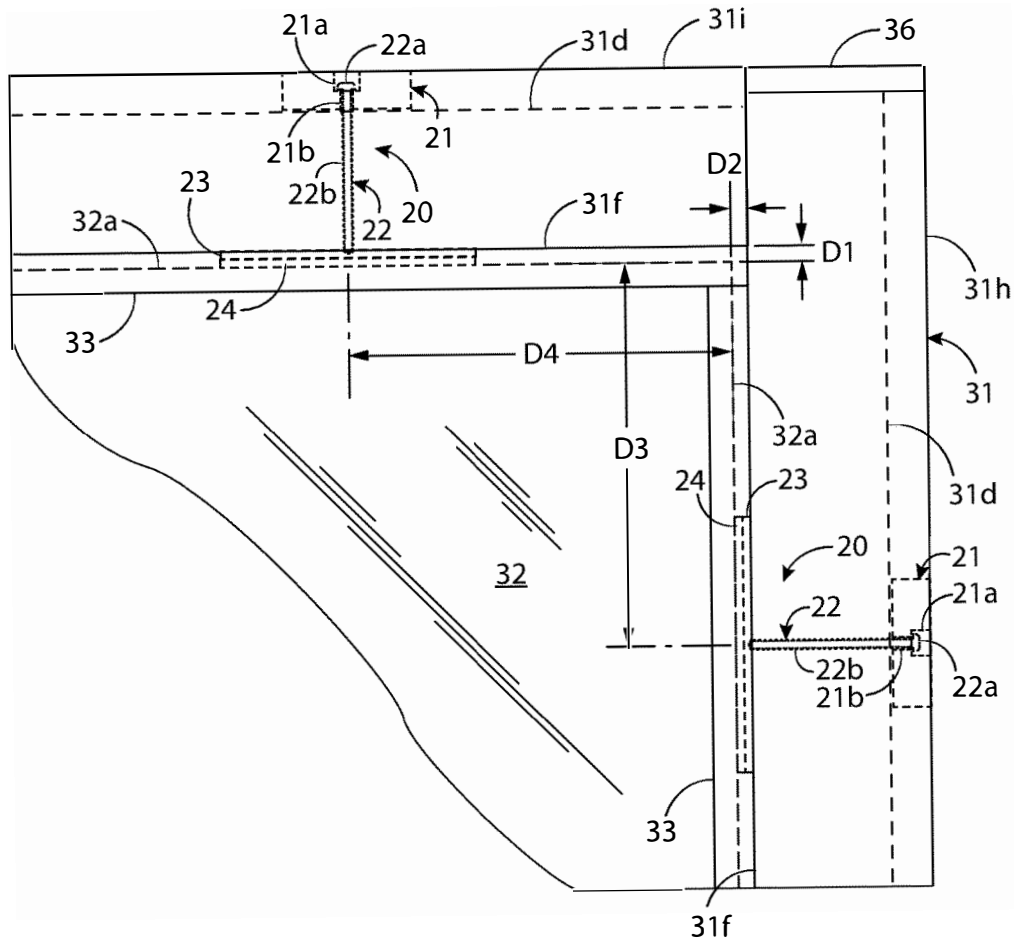


FIG. 7

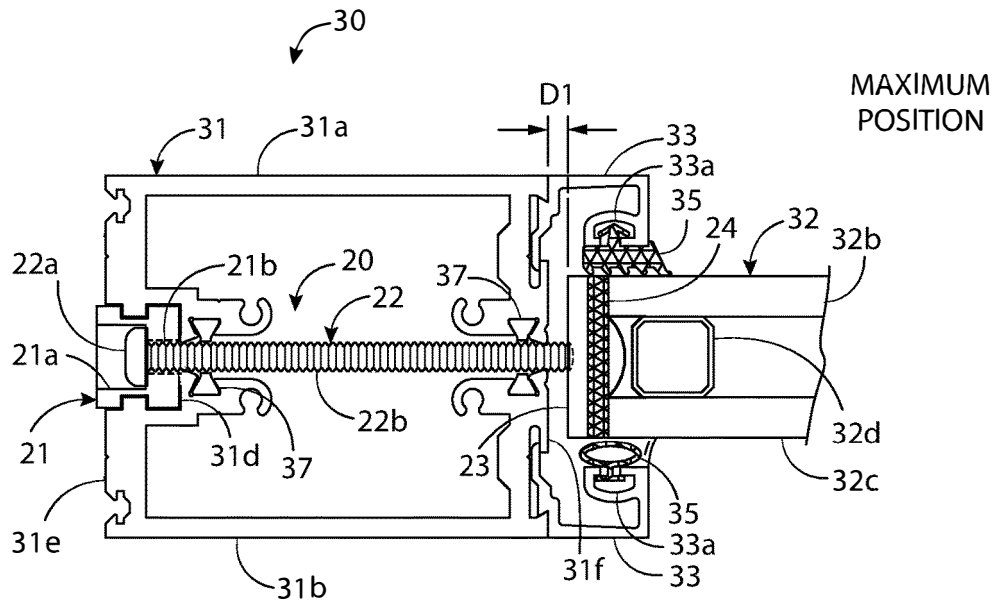


FIG. 8

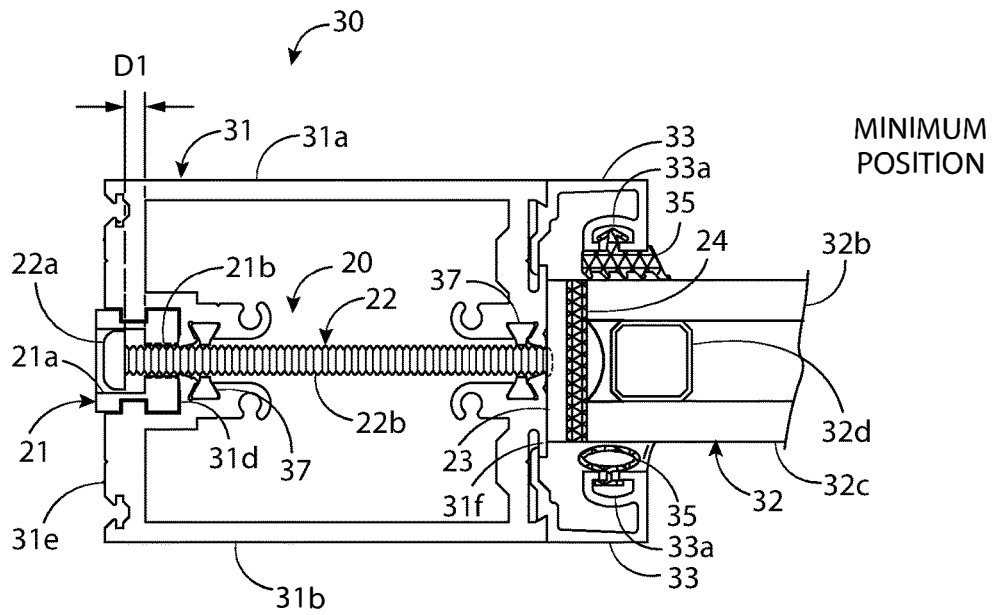


FIG. 9

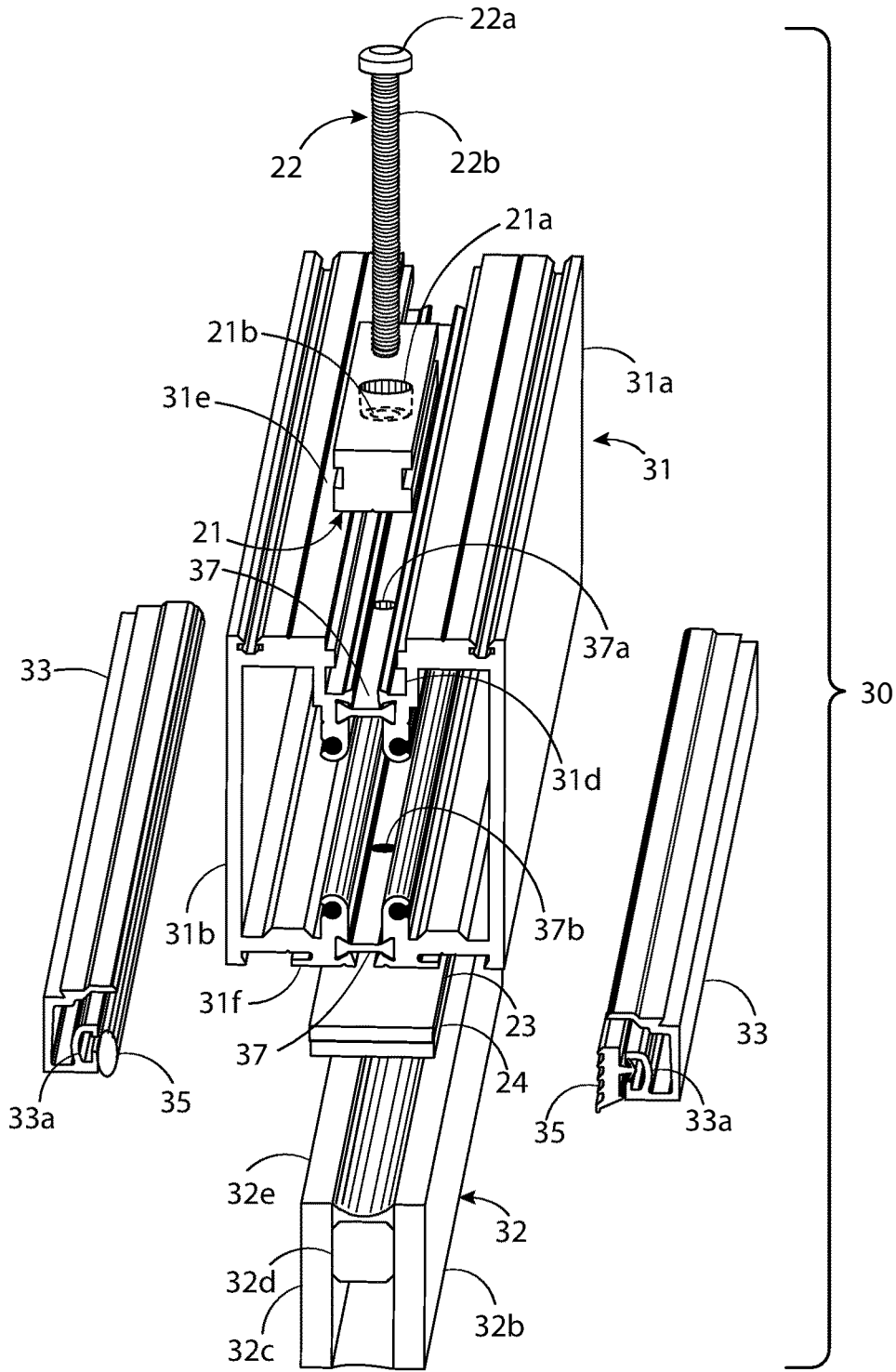


FIG. 11

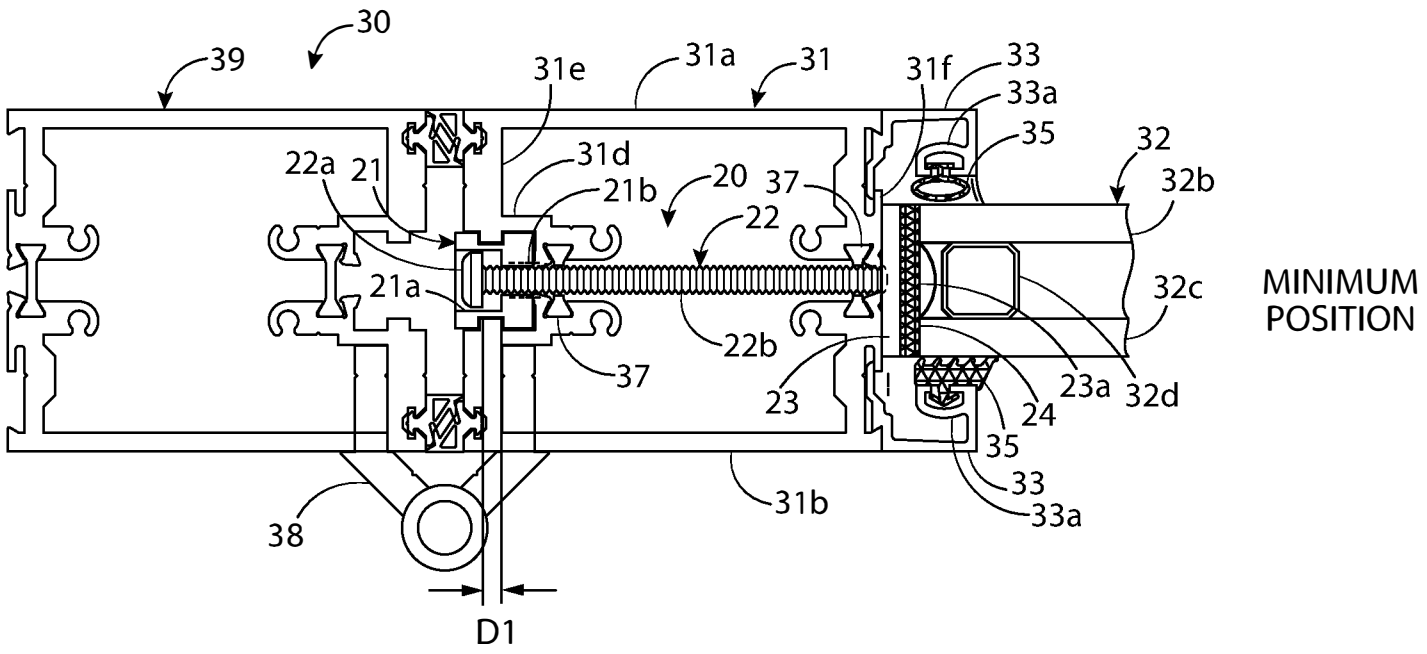
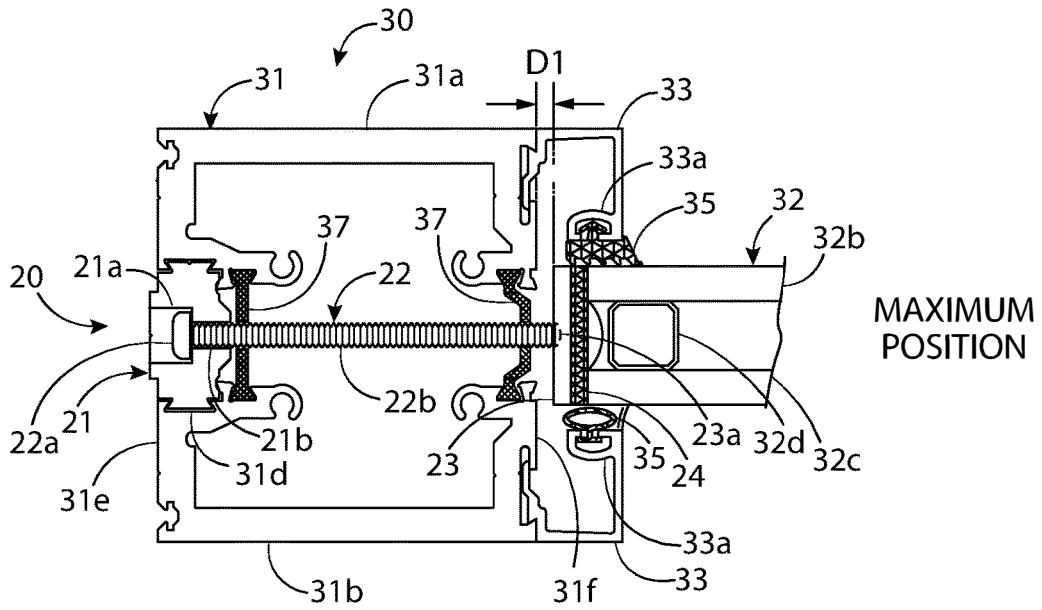


FIG. 14



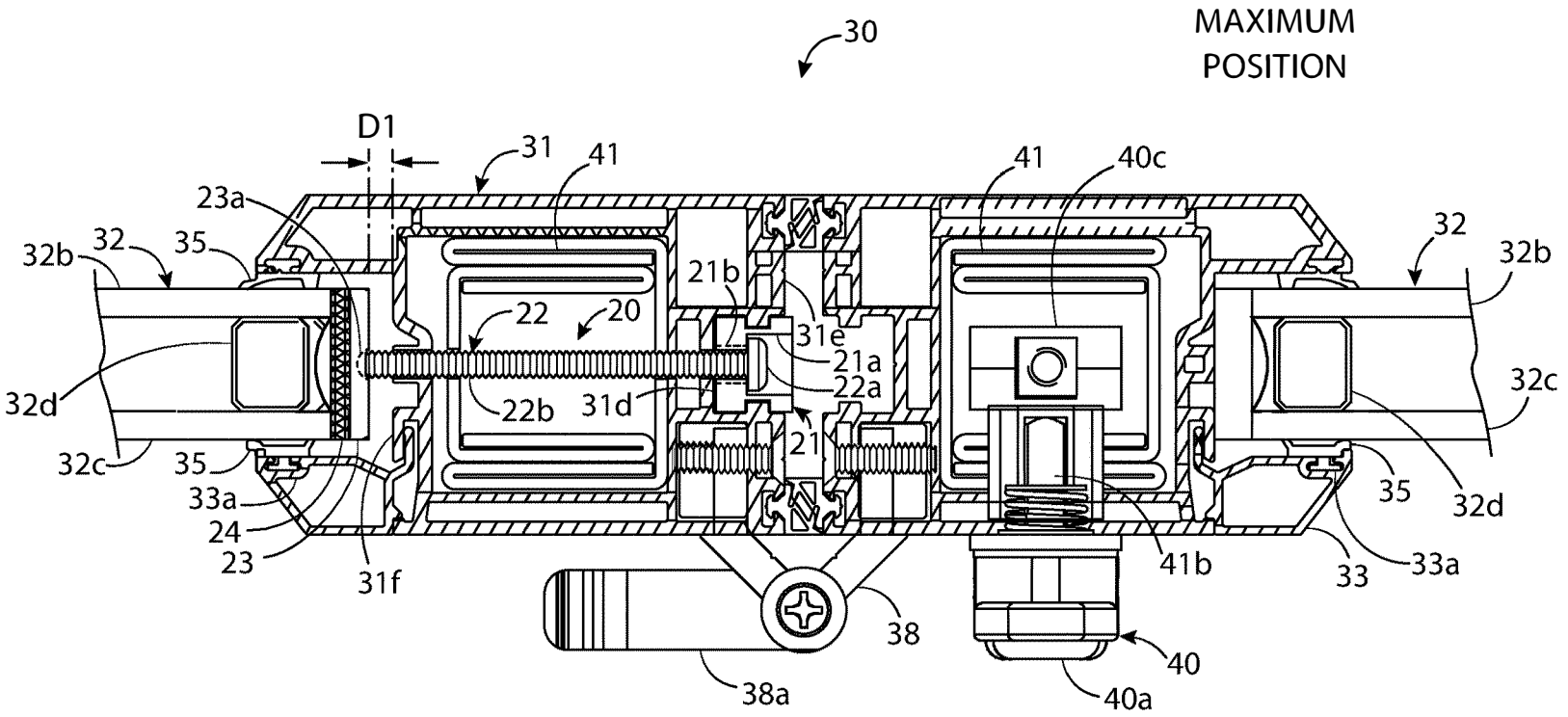


FIG. 17

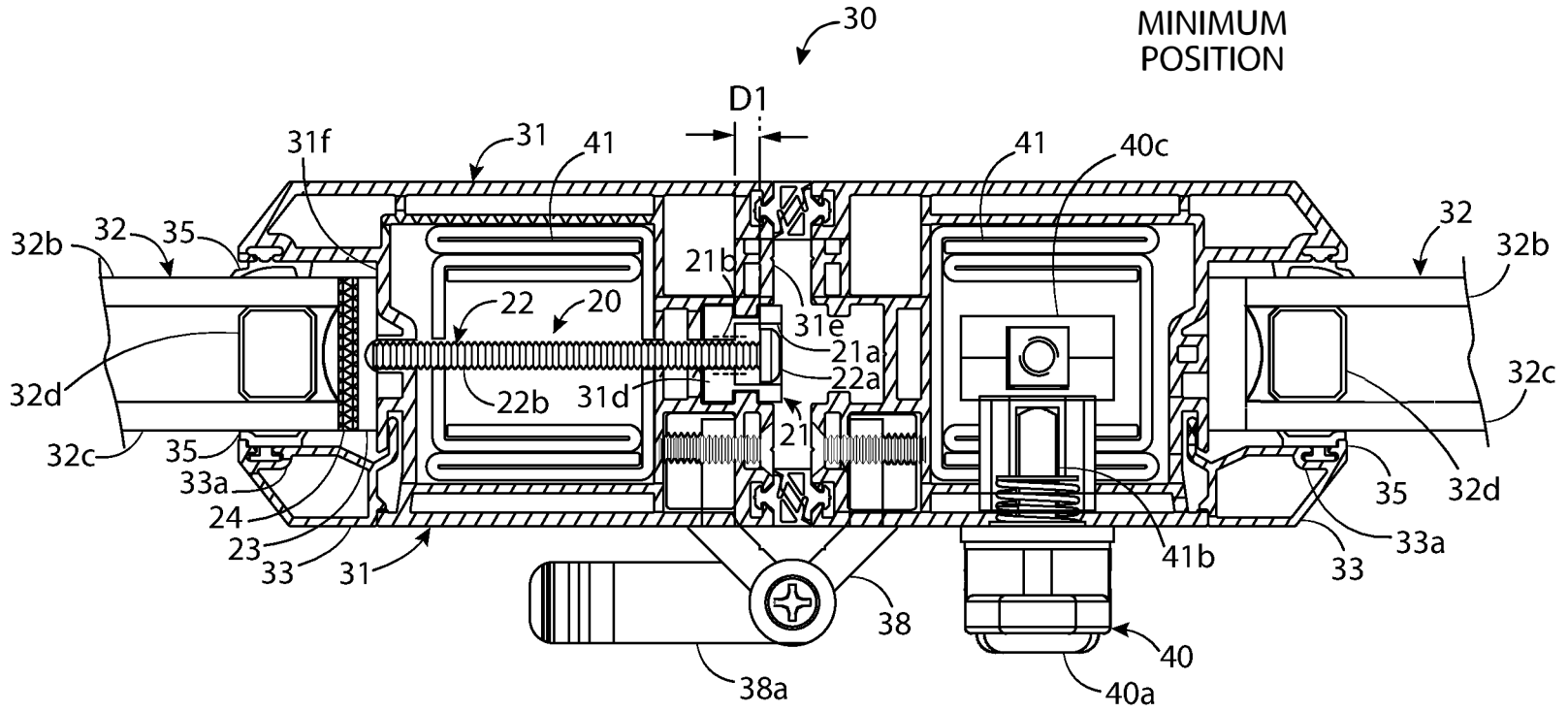


FIG. 18

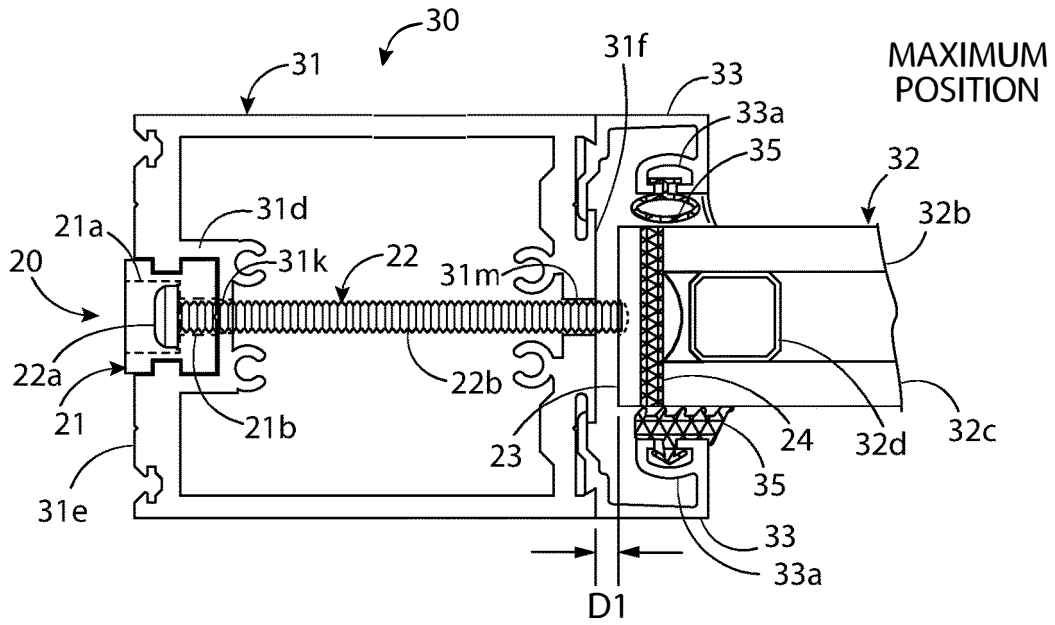


FIG. 19

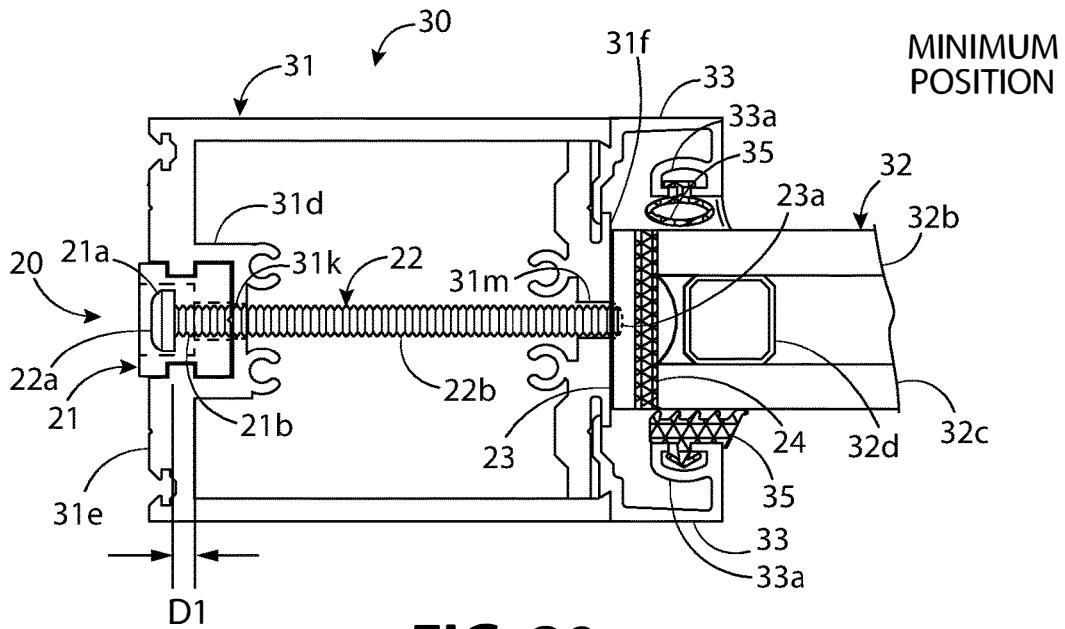


FIG. 20

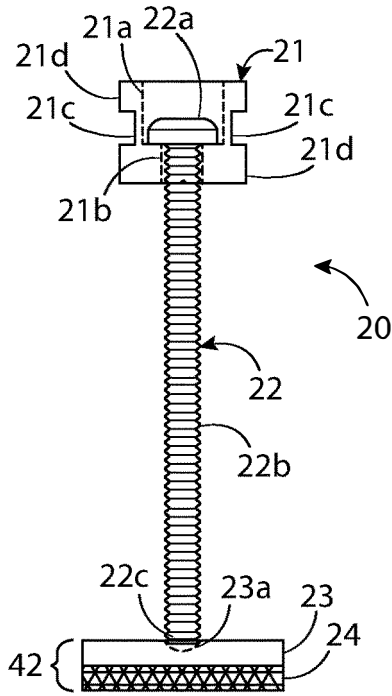


FIG. 22

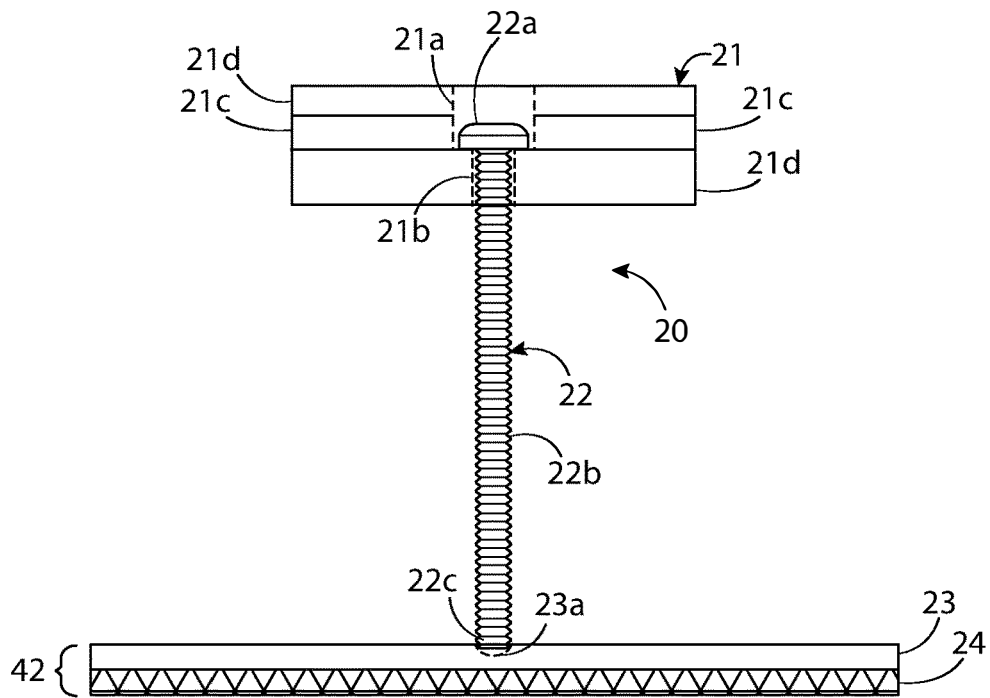


FIG. 23

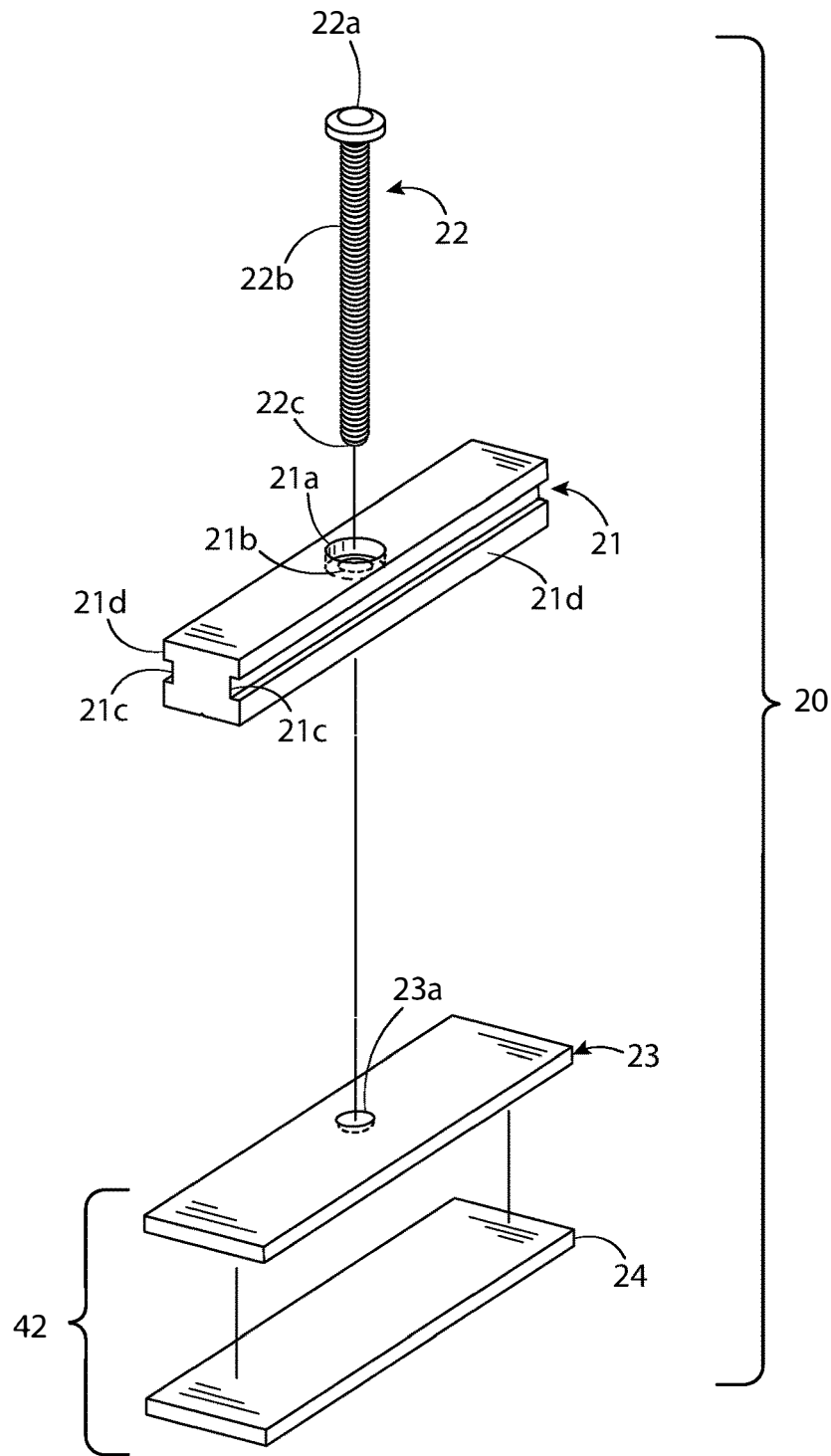


FIG. 24

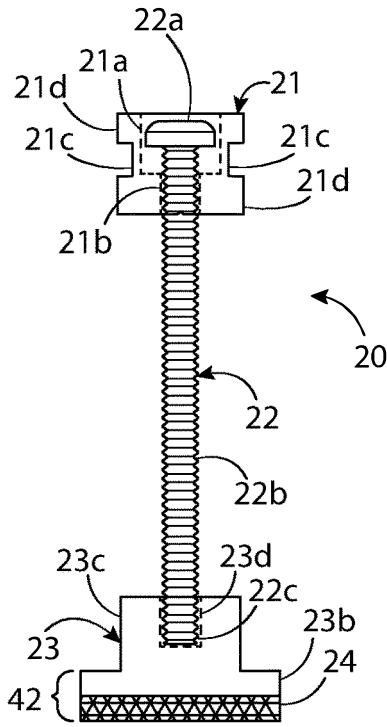


FIG. 25

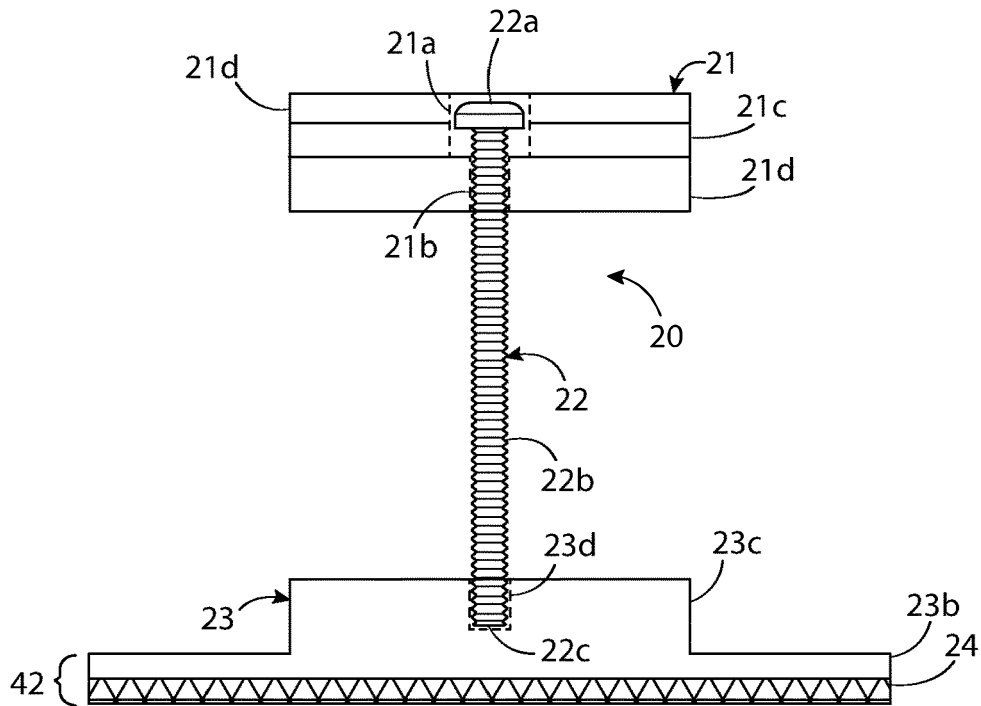


FIG. 26

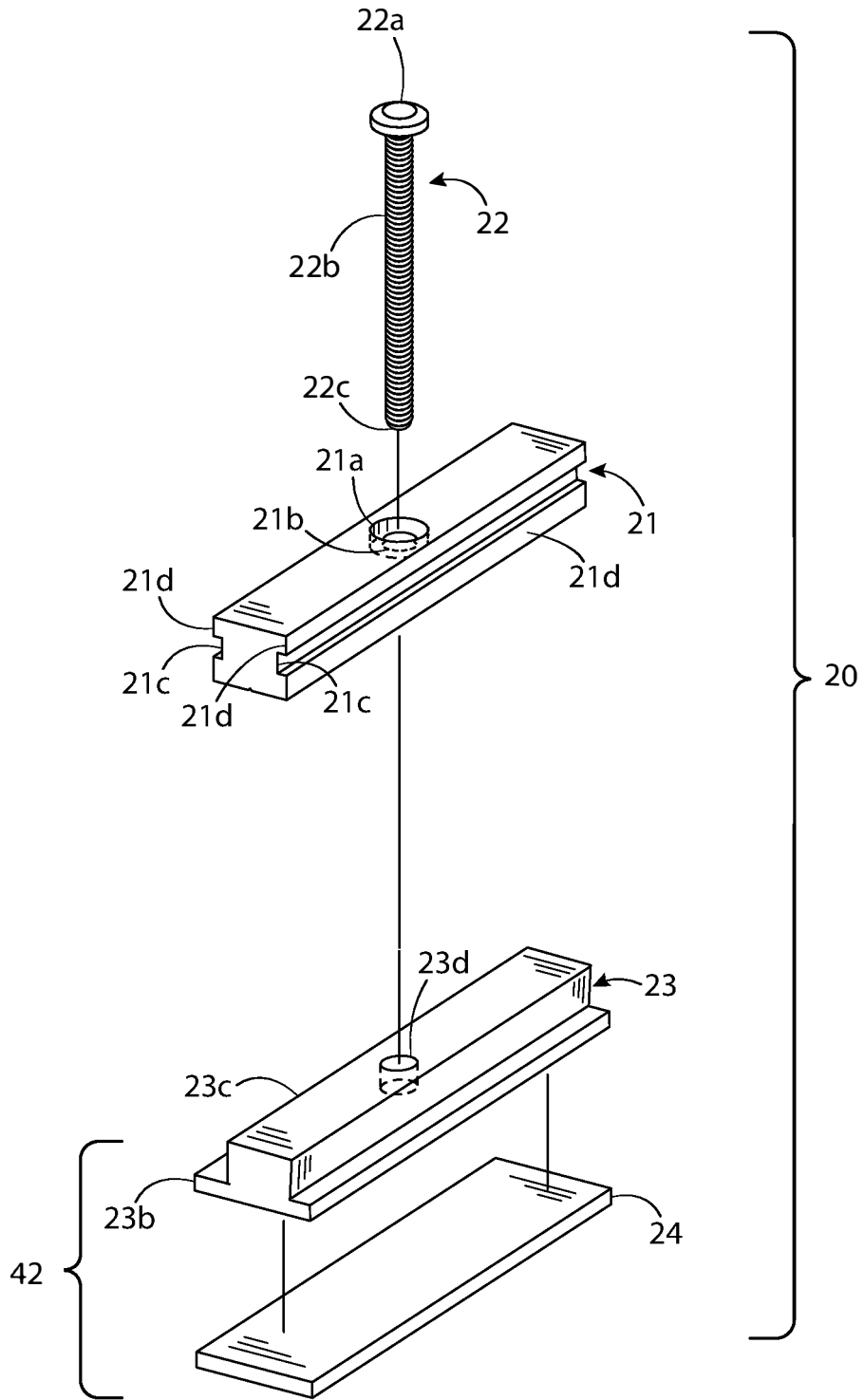


FIG. 27

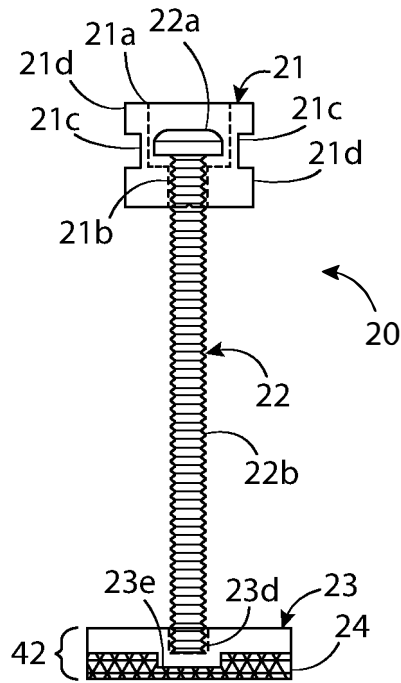


FIG. 28

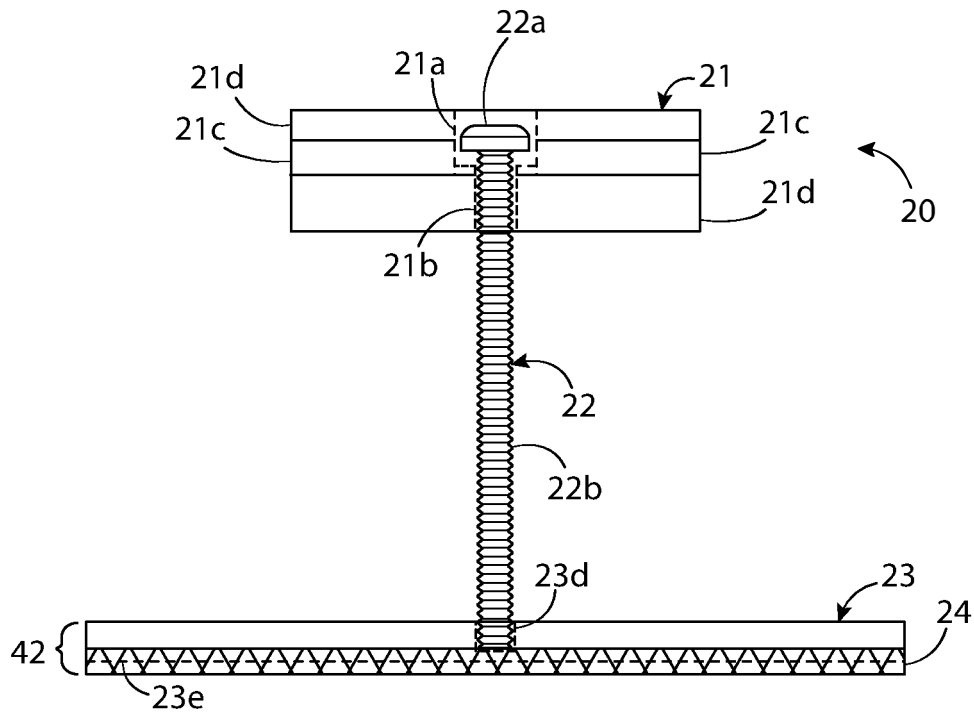


FIG. 29

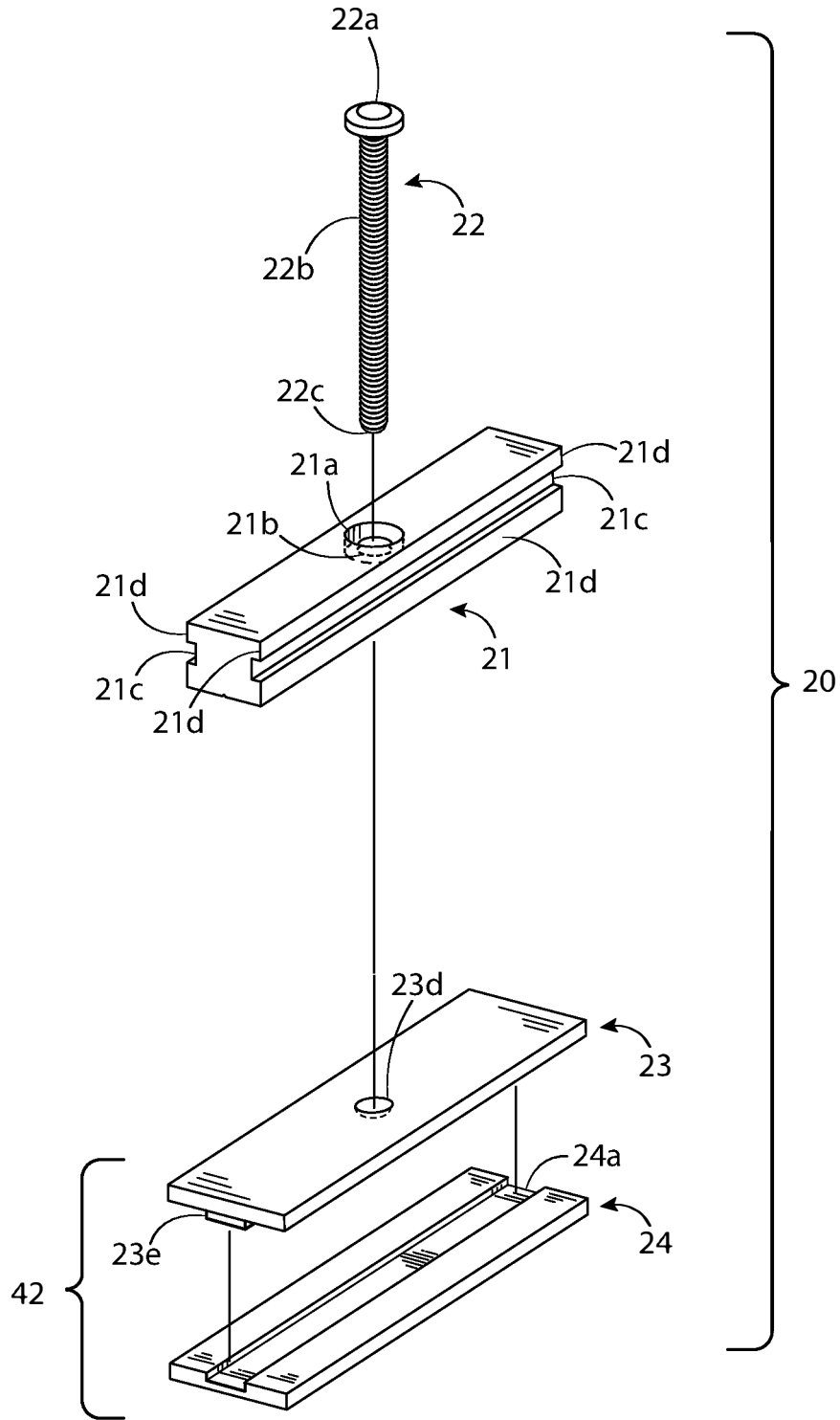


FIG. 30

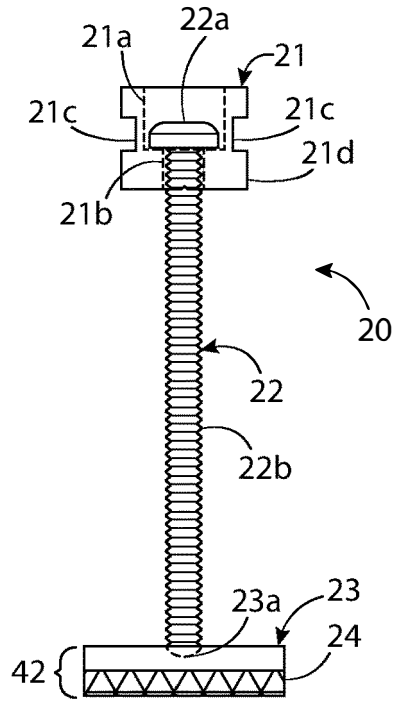


FIG. 31

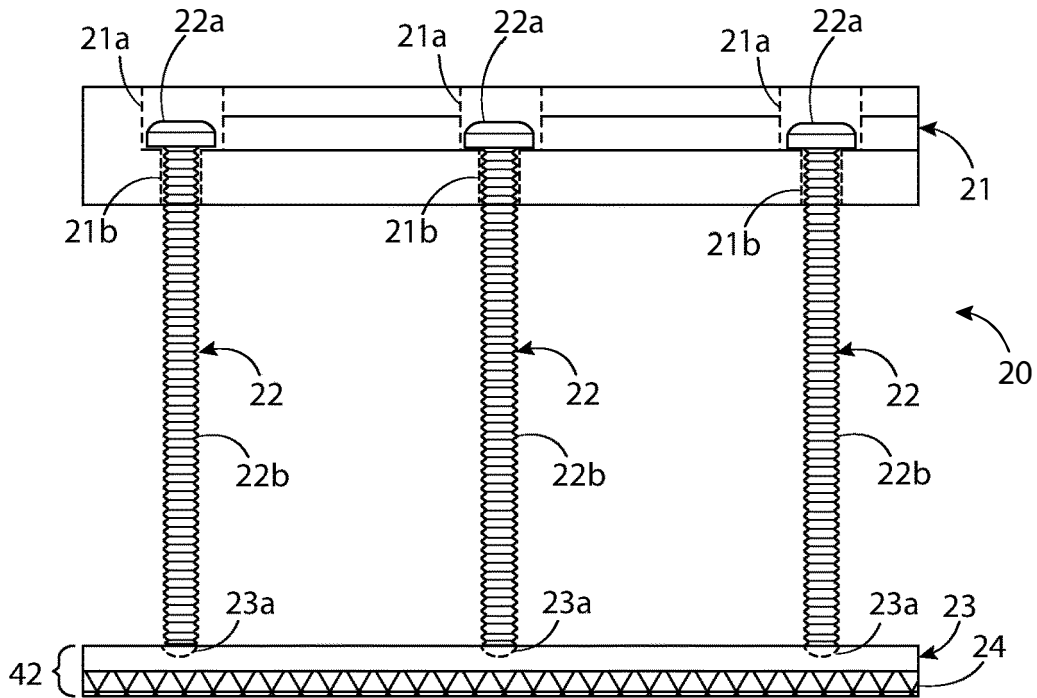


FIG. 32

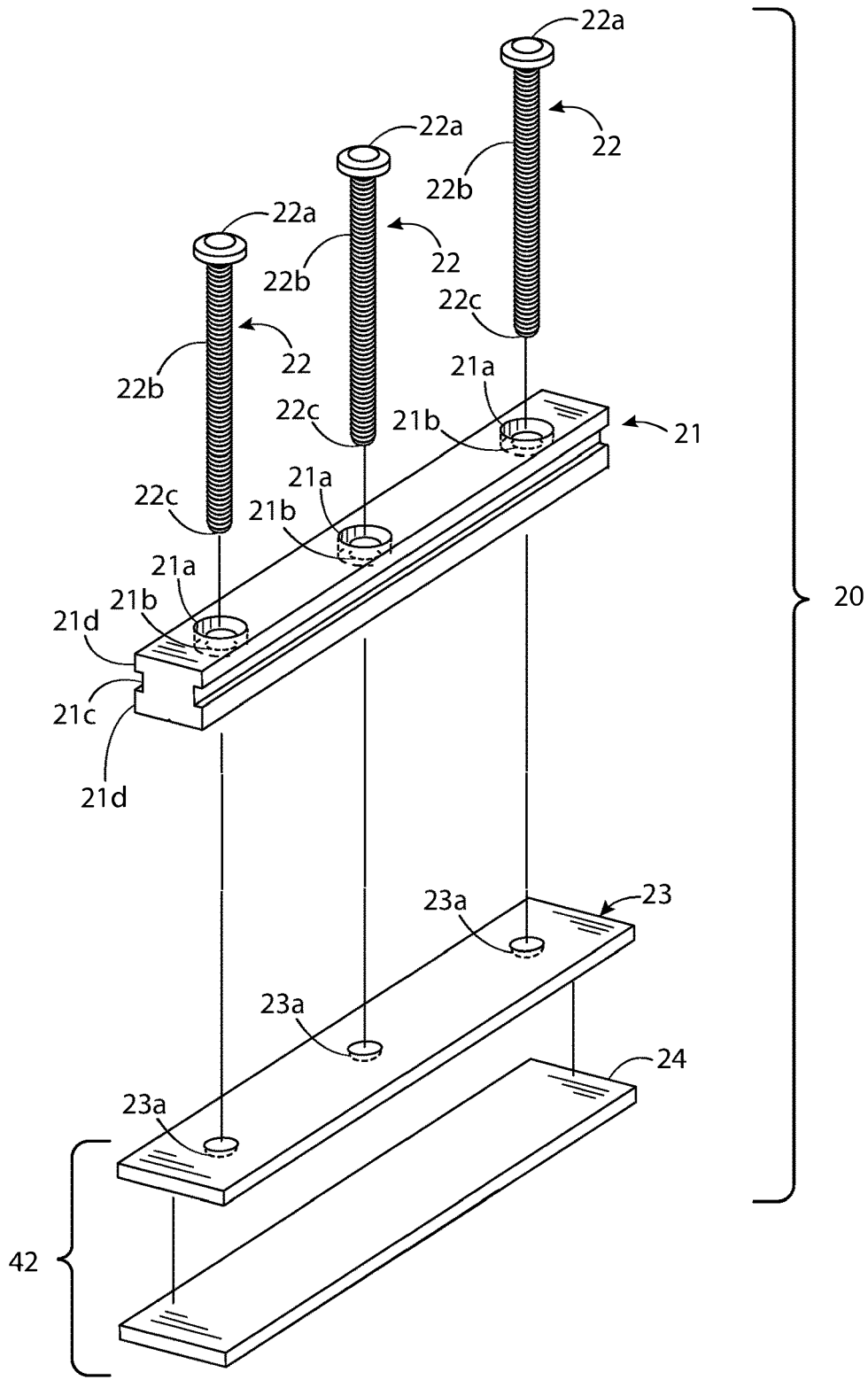


FIG. 33

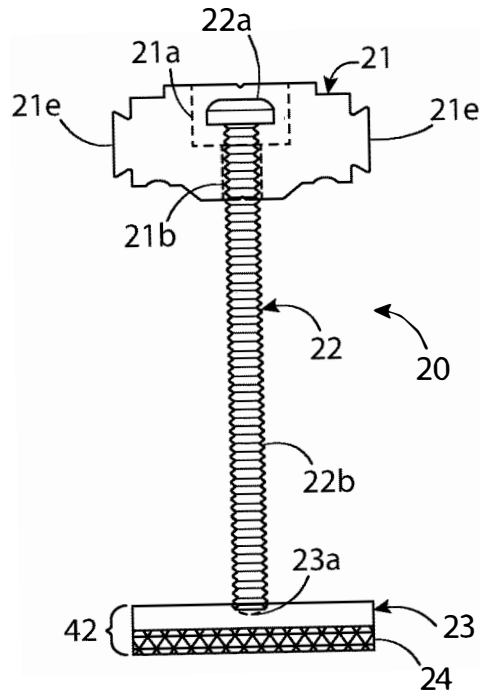


FIG. 34

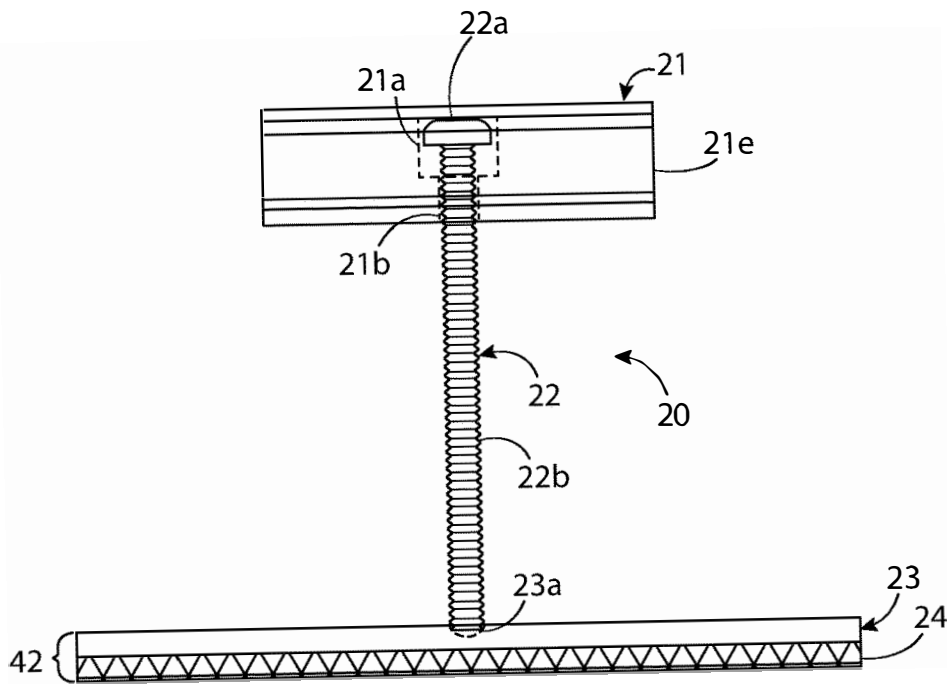


FIG. 35

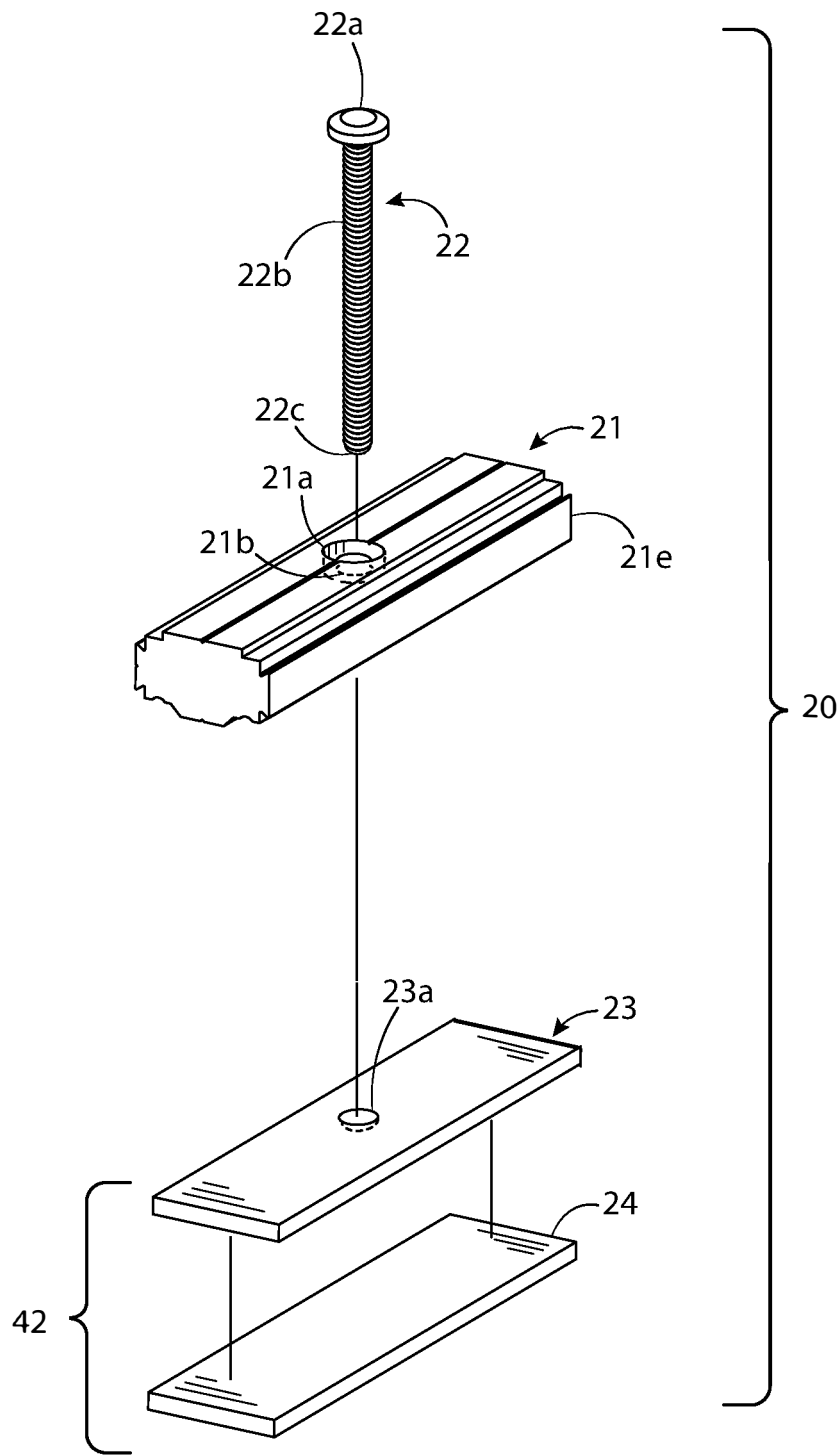


FIG. 36

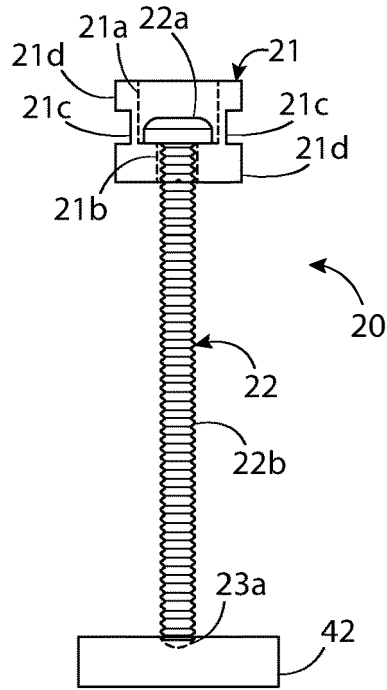


FIG. 37

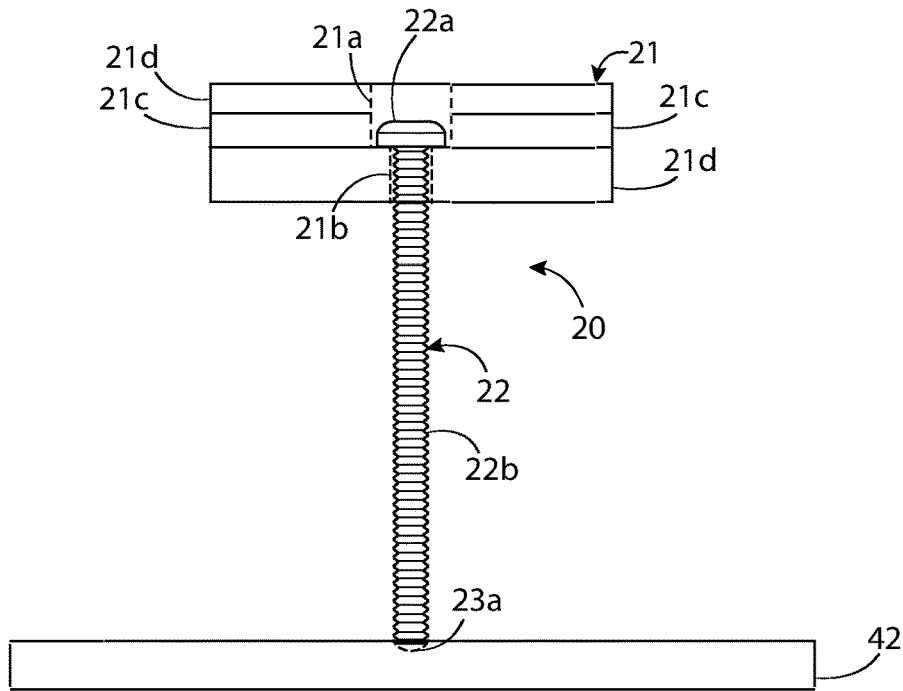


FIG. 38

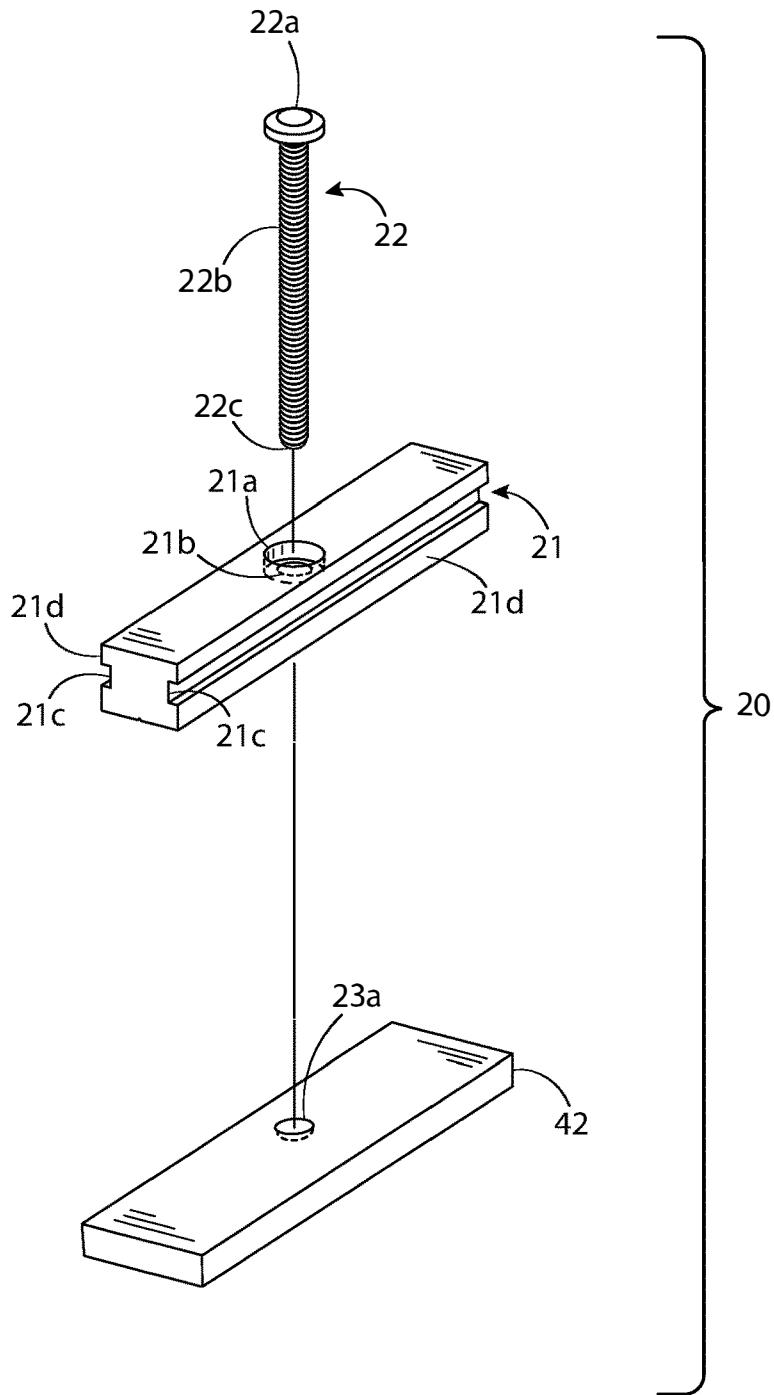


FIG. 39

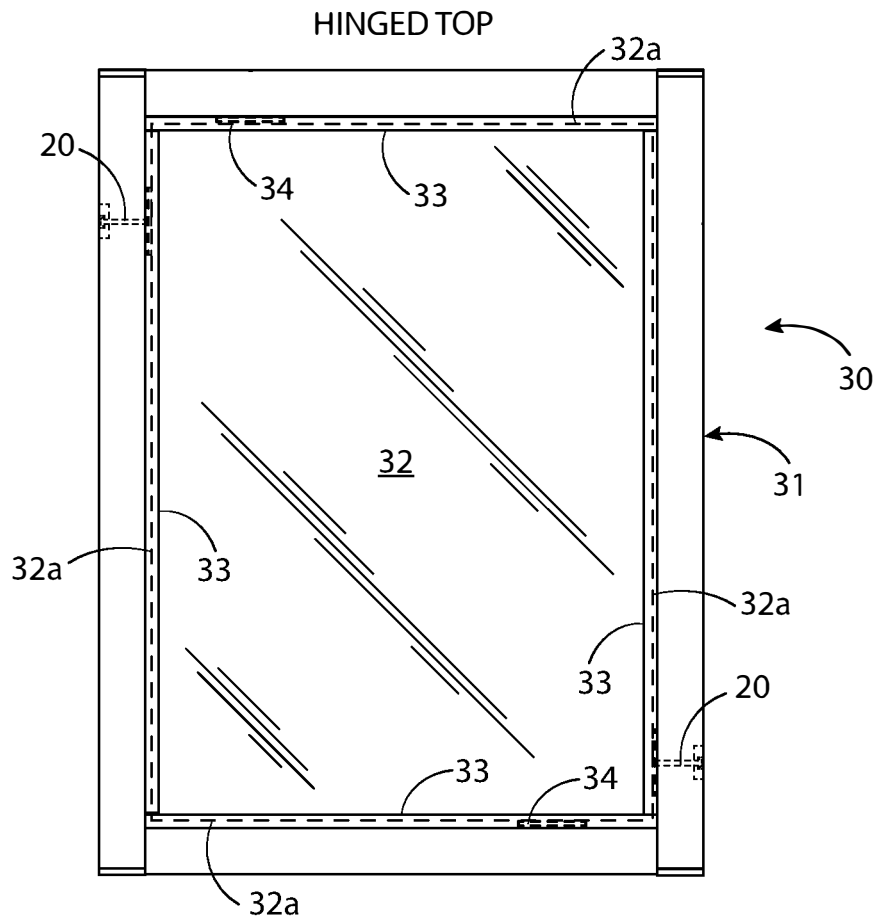


FIG. 40

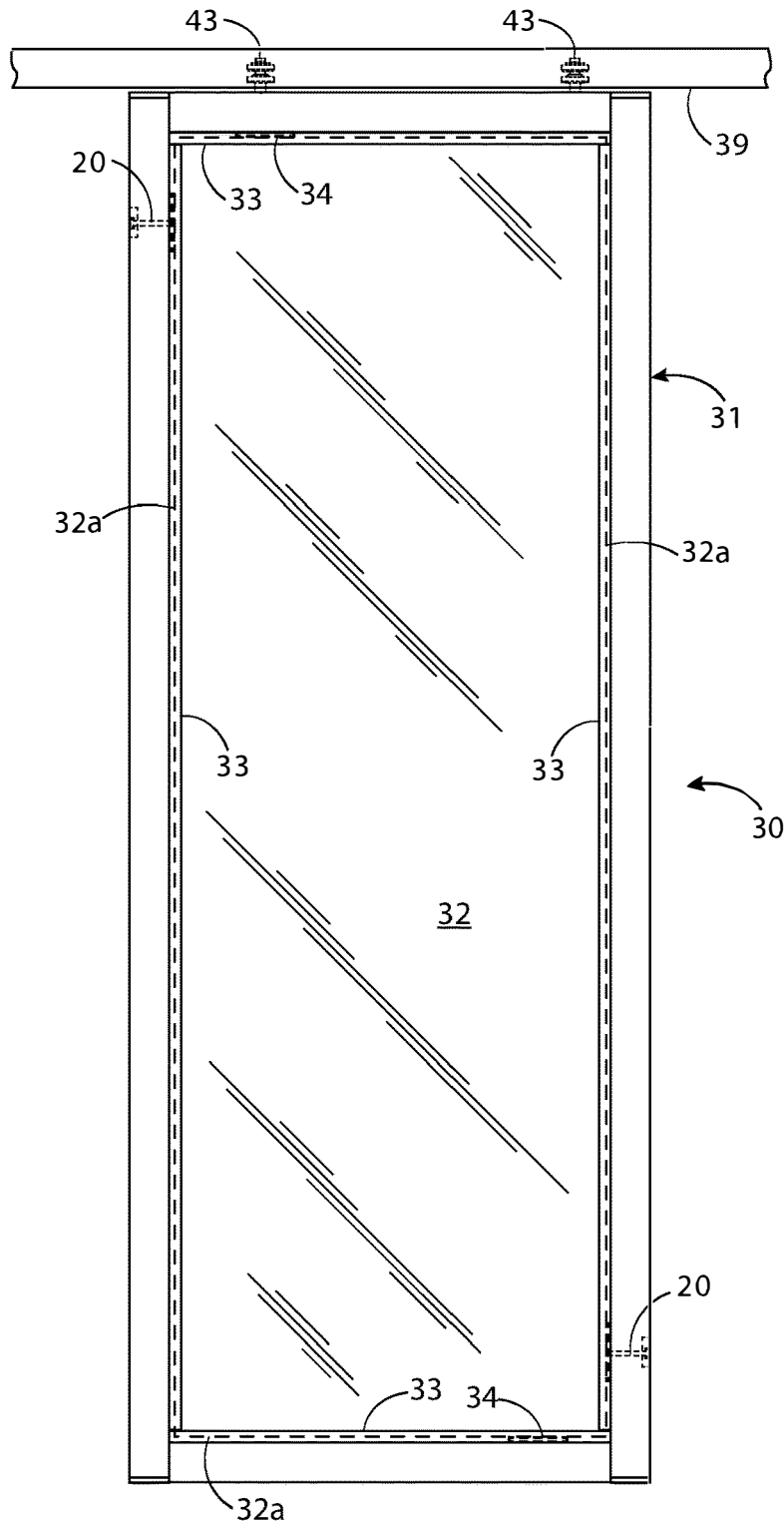


FIG. 41