# The United States of America



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Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

# **United States Patent**

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, or importing into the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

David J. Kappos

Director of the United States Patent and Trademark Office



# (12) United States Patent Ford

## (10) Patent No.: US 7,658,353 B2 (45) Date of Patent: Feb. 9, 2010

(54) ADJUSTABLE SUPPORTS FOR MOUNTING A PLANAR OBJECT BETWEEN OPPOSED SURFACES

(76) Inventor: Larry Ford, 10635 Park Place Dr.,

Seminole, FL (US) 33778

(\*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 316 days.

(21) Appl. No.: 11/748,945

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(65) Prior Publication Data

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### Related U.S. Application Data

- (63) Continuation-in-part of application No. 11/406,417, filed on Apr. 18, 2006.
- (51) Int. Cl. F16M 11/00 (2006.01)

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Liebenow

Primary Examiner—J. Allen Shriver
Assistant Examiner—Todd M. Epps
(74) Attorney, Agent, or Firm—Larson & Larson, P.A.; Frank

### (57) ABSTRACT

The present invention is an adjustable support for installing a planar sheet of material between opposed surfaces for protection from events such as storms. The supports secure the planar sheet to an opening such as a door and window, thereby holding it in place during storms, etc. The supports are easily removed and include a substantially L-shaped base and a clamp. The clamp is removably and adjustably attached to the first side of the L-shaped base, thereby forming an aperture between the second side of the L-shaped base and the bottom surface of the clamp. The aperture is adaptable to accept various thicknesses of substantially planar objects. A device is provided for engaging the adjustable support with a support structure, passing through the clamp and passing through a hole in the first side of the L-shaped base and interfacing with support surfaces to hold the substantially planar object between the first support surface and a substantially opposed second support surface.

### 12 Claims, 7 Drawing Sheets

