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Ditmore

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(54) **SAILBOAT KEEL WITH A ROTATABLE SECONDARY FOIL**

(76) Inventor: **Stephen Hampton Ditmore**, 3902 Manhattan College Pkwy., Apt. 2B, Bronx, NY (US) 10471

(*) 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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(51) **Int. Cl.**⁷ **B63B 3/38**

(52) **U.S. Cl.** **114/140**; 114/136

(58) **Field of Search** 114/127, 132, 114/135, 136, 137, 140, 143

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(57) **ABSTRACT**

A fin-type sailboat keel with a ballast bulb and a single winglet projecting from the after portion of the bulb is disclosed. The after portion of the bulb, to which the winglet is affixed, rotates, allowing the winglet to be canted about the centerline of the bulb 360 degrees. The winglet can have an adjustable angle of attack or a flap at its trailing edge, allowing various effects to be achieved. Mechanisms for the control of these moving parts are described. A fin stabilizer of similar geometry is also claimed.

5 Claims, 5 Drawing Sheets

