

(12) **United States Patent**  
**Keuning**

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(54) **VESSEL WITH IMPROVED MOTION CONTROL**

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See application file for complete search history.

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(57) **ABSTRACT**

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The invention concerns a vessel having a planing surface and a transom at a stern of the vessel, mounted on the transom is an interceptor and an actuator to move the interceptor in vertical direction. In accordance with the invention the transom defines a sharp edge with the planing surface and the underside of the interceptor comprises a convex rounded edge extending upwards to the rear with a leading edge of the convex rounded edge having a tangent approximately parallel to the water flow along the planing surface near the transom, and/or the transom defines a convex rounded edge with the planing surface with a leading edge of the convex rounded edge being tangent to the planing surface and the interceptor defines at its lowest part a sharp edge that can move behind the convex rounded edge in vertical direction.

(52) **U.S. Cl.**

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**25 Claims, 4 Drawing Sheets**

