

Title (en)  
A HYDROFOIL VESSEL

Title (de)  
TRAGFLÜGELBOOT

Title (fr)  
NAVIRE HYDROPTÈRE

Publication  
**EP 4175872 A1 20230510 (EN)**

Application  
**EP 21837259 A 20210705**

Priority  
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Abstract (en)  
[origin: WO2022010404A1] The invention involves a hydrofoil vessel (1) comprising a hydrofoil assembly (4), and a hull assembly (2) presenting, when the vessel is floating at rest, a vertical symmetry plane (SP), wherein the hydrofoil assembly (4) comprises two struts (401) extending from the hull assembly (2) on opposite transverse sides of the symmetry plane (SP), mainly downwards when the vessel is floating at rest, or mainly partly away from the symmetry plane and partly downwards when the vessel is floating at rest, wherein the hydrofoil assembly (4) comprises two main foil portions (411) each extending from a respective one of the struts (401), at least partly towards the symmetry plane (SP), wherein each strut (401) comprises a strut foil (402) with a non-symmetrical cross-section, and with a pressure side (402P) facing at least partly towards the symmetry plane, and a suction side (402S) facing at least partly away from the symmetry plane (SP).

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