

Title (en)  
HYDROPLANE

Title (de)  
GLEITBOOT

Title (fr)  
HYDROGLISSEUR

Publication  
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Application  
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Abstract (en)  
The present invention pertains to the ship-building industry and more precisely to the construction of hydroplanes that include propulsion spoilers. This hydroplane comprises a hull with a keeled bottom as well as stern propulsion spoilers, and also includes water-jet propulsion devices mounted in the stern part of the ship. The water-intake openings of the propulsion devices are arranged at the bottom of the hull in front of the spoilers. When the ship moves with the propulsion spoilers in an expanded position, an area of increased pressure is formed immediately in front of said spoilers. This area propagates into the water-intake openings and the water intake from the area with an increased pressure increases the operation efficiency of the water-jet propulsion devices. This hydroplane can further be fitted with aft spoilers while the bottom comprises aft and stern transverse steps behind which the spoilers are arranged. In this case, the deadrise angle of the bottom ranges from 6 to 12 DEG at the aft step and from 0 to 6 DEG at the stern step. <IMAGE>

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