GENERAL CONSIDERATION CONCERNING SHIP PROPULSION USING HYDROGEN

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ABSTRACT

The propulsion of the ships with hydrogen represents the future in the ship propulsion, when the big fuel oil tank will be replaced with the small tank with liquid hydrogen. In this paper are presented the methods for obtaining the gaseous hydrogen and the main schemes in the ships propulsion using the liquid hydrogen. The first method presented is the water electrolysis and the second method is the steam reduced with iron. The result of hydrogen burning in the internal combustion engines is the small steam water, a non-pollutant product.

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