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(54) Title: CUMG2-YLIX ALLOY FOR HYDROGEN STORAGE

(57) Abstract: The present invention refers to the ability of a metallic alloy to store hydrogen. Particularly, the present invention refers to the ability of an alloy, with hexagonal structure, to store, in reversible way, high amounts of hydrogen at temperatures and pressures that make an industrial applicability feasible. The present invention is applicable, e.g. for hydrogen storage - hydrogen fuel cells - with great applicability in the automobile industry.



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