

ABSTRACT

Production of hydrogen and oxygen by electrolysis of water.

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A term paper on the production hydrogen and oxygen by electrolysis of water. The physical and chemical properties of hydrogen, their using in the production inorganic compounds, and the ways of their production were considered. The selection and description of the electrolyzer Bamag B100 type and technological scheme of obtaining hydrogen was proved. Calculations of bipolar electrolyzer Bamag B100 type with current load of 2,25 kA. Current, voltage and power balance, heat and material balances and consumed index were calculated.

ELECTROLYSIS OF WATER, HYDROGEN, BIPOLARELECTROLYZER,
FOOD INDUSTRY, ELECTROLYZER BAMAG C100, CURRENT BALANCE,
VOLTAGE BALANCE, MATERIAL BALANCES, HEAT BALANCES,
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