

The invention relates to electrochemistry, particularly to a hydrogen obtaining process.

Summary of the invention consists in that through an electrolytic cell (5) is passed unidirectional electric current. One electrode (3) is made reacting and to it is applied the positive side of the power supply, and in the storage mode the power supply is disconnected. Additionally in this cell it is introduced a nonreacting electrode (4) and between it the reacting electrode (3), in the storage mode, it is established a voltage of the power supply lower than that necessary for electrolysis, with the negative polarity on the reacting electrode, and as electrolyte is used ammonium salt.

Claims: 1

Fig.: 1

