

Title (en)
OXYGEN-GENERATING ELECTRODE AND METHOD FOR THE PREPARATION THEREOF

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Application
EP 88308703 A 19880920

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• JP 6808487 A 19870324

Abstract (en)
[origin: EP0359876A1] The electrode of the invention suitable for use in an oxygen-generating electrolytic process with durability comprises (A) a substrate of, e.g., titanium metal; (B) an undercoating layer thereon which is formed of a mixture of an iridium oxide and tantalum oxide in a limited molar proportion and (C) an overcoating layer formed of an iridium oxide. The undercoating layer can be formed by coating the substrate surface with a solution containing an iridium compound and tantalum compound each having thermal decomposability and then subjecting the coated substrate body to a heat treatment in an oxidizing atmosphere. Similarly, the overcoating layer can be formed by coating with a solution containing a thermally decomposable iridium compound followed by an oxidative heat treatment in an oxidizing atmosphere.

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