

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

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Application  
**EP 88308794 A 19880922**

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Abstract (en)  
[origin: EP0344378A1] The electrode of the invention suitable for use in an oxygen-generating electrolytic process comprises (A) a substrate of, e.g., titanium metal and (B) a coating layer thereon which is formed with a mixture of iridium oxide, tantalum oxide and elementary platinum in a specified molar proportion. The coating layers can be formed by coating the substrate surface with a solution containing an iridium compound, tantalum compound and platinum compound each having thermal decomposability and then subjecting the coated substrate to a heat treatment in an oxidizing atmosphere so as to convert the iridium and tantalum compounds into respective oxides and the platinum compound into elementary platinum. Further, the coating layer is preferably provided with an overcoating layer formed of iridium oxide or of a mixture of iridium oxide and tantalum oxide in a similar manner.

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Cited by  
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