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(54) Title: ANODE FOR OXYGEN GENERATION AND MANUFACTURING METHOD FOR THE SAME

(57) Abstract: The present invention aims to provide an anode for oxygen generation and a manufacturing method for the same used for industrial electrolyses including manufacturing of electrolytic metal foils such as electrolytic copper foil, aluminum liquid contact and continuously electrogalvanized steel plate, and metal extraction. The present invention features an anode for oxygen generation and a manufacturing method for the same comprising a conductive metal substrate and a catalyst layer containing iridium oxide formed on the conductive metal substrate wherein the coating is baked in a high temperature region of 410°C - 450°C in an oxidation atmosphere to form the catalyst layer co-existing amorphous and crystalline iridium oxide and the catalyst layer co-existing the amorphous and crystalline iridium oxide is post-baked in a further high temperature region of 520°C - 560°C in an oxidation atmosphere to crystallize almost all amount of iridium oxide in the catalyst layer.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
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According to International Patent Classification (IPC) or to both national classification and IPC

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Minimum documentation searched (classification system followed by classification symbols)  
C25B C25C C23C C25D  
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/188247 A1 (HARDEE KENNETH L [US]) 30 September 2004 (2004-09-30) paragraphs 0010 and 0013; page 1 paragraphs 0021-0022; page 2 paragraphs 0029-0030 and 0032-0033; page 3	1,2,4-6, 8
X	----- EP 0 538 955 A1 (MAGNETO CHEMIE BV [NL]) 28 April 1993 (1993-04-28) abstract page 4, line 5 - line 10 page 7, line 47 - page 8, line 7 ----- -/--	1-8

Further documents are listed in the continuation of Box C.

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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer  Cojuhovschi, Oana
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 37 31 285 A1 (CONRADTY METALLELEK [DE]) 6 April 1989 (1989-04-06) abstract column 3, line 66 - column 4, line 10 column 5, line 42 - line 49 -----	1,2,5,6

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Information on patent family members

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