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(54) Title: METHOD OF FABRICATING CORROSION-RESISTANT BIPOLAR PLATE

(57) Abstract: A method of fabricating a corrosion-resistant and inexpensive bipolar plate for a fuel cell is disclosed. The method includes providing a bipolar plate substrate and coating a corrosion-resistant coating on the bipolar plate substrate using a kinetic spray process.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **H01M 02/02;B05D 05/12,01/02**
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 USPC: 429/34;427/115,421.1;29/623.5
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 429/34;427/115,421.1;29/623.5

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)
 EAST, WEST


C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2004/0197593 A (CHELLAPPA) 07 October 2004, abstract, paragraphs 0005, 0007-0009,0013,0017,0020,0033-0035,0050, claims 1, 4 and 35.	1-3, 5-9, 11-13, 15-21, 23-28, 30-32 ----- 4, 10, 14, 22, 29, 33
X	US 6,228,522 A (BATAWI et al) 08 May 2001, column 1, lines 2-47, column 2, lines 36-45.	1, 26
X, P	US 2005/0025897 A (VAN STEENKISTE et al) 03 February 2005, abstract, paragraphs 0002, 0027, 0031, Figure 2.	1, 11, 19, 26
Y, P	US 2005/0017055 A (KURZ et al) 27 January 2005, paragraphs 0037, 0040.	1, 4, 8, 10, 11, 14, 19, 22, 26, 33
Y	US 2003/0228512 A (VYAS et al) 11 December 2003, abstract, paragraphs 0002-0003, 0008-0010, 0035-0041, 0051-0056, 0059-0061, claims 1-9.	1-33
Y	US 2004/0091768 A (ABD ELHAMID et al) 13 May 2004, abstract, paragraphs 0001, 0017, 0043, 0046-0053, claims 2 and 7-11.	1-33

Further documents are listed in the continuation of Box C. See patent family annex.

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INTERNATIONAL SEARCH REPORT

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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.
Y	US 6,372,376 A (FRONK et al) 16 April 2002, see the whole document.	1-33
A	US 3,469,788 A (GLAROS) 30 September 1969.	1-33