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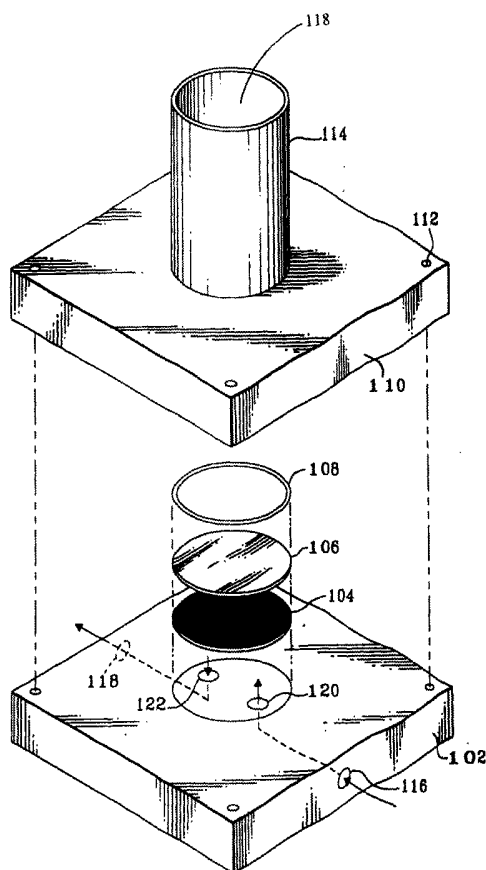
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(54) Title: METHOD OF SCREENING COMPOSITIONS FOR ELECTROCATALYTIC ACTIVITY IN A GAS DIFFUSION ELECTRODE



(57) Abstract: A novel process and apparatus to combinatorially screen a large number of discrete compositions for electrocatalytic activity have been developed. The apparatus contains a cell body adjacent to a fluid permeable catalyst array support supporting multiple solids. A catalyst mask having holes that are in alignment with the multiple locations for supporting solids is placed over the catalyst array support, masking the solids. A cell cover is positioned adjacent to the catalyst array support, with the cell cover having a passage for monitoring the solids through the mask. A detector may be in alignment with the passage of the cell cover.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B01J19/00 H01M4/90

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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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 practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	US 2001/053530 A1 (STREHLAU WOLFGANG ET AL) 20 December 2001 (2001-12-20) figures claims	1-11
P, X	SENKAN S: "COMBINATORIAL HETEROGENEOUS CATALYSIS - A NEW PATH IN AN OLD FIELD" ANGEWANDTE CHEMIE. INTERNATIONAL EDITION, VERLAG CHEMIE. WEINHEIM, DE, vol. 40, no. 2, 15 January 2001 (2001-01-15), pages 312-329, XP001065269 ISSN: 0570-0833 figure 9	1-11

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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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	WO 00 37718 A (BUTTRY DANIEL ; POPE JOHN (US)) 29 June 2000 (2000-06-29) claims figures	12-15
A	REDDINGTON E ET AL: "COMBINATORIAL DISCOVERY AND OPTIMIZATION OF ELECTROCATALYSTS" , COMBINATORIAL CHEMISTRY: A PRACTICAL APPROACH, NEW YORK: OXFORD UNIVERSITY PRESS, US, PAGE(S) 401-420 XP001053645 ISBN: 0-19-963754-7 Chapter 14	1-18

INTERNATIONAL SEARCH REPORT

Information on patent family members

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		AU 6209701 A	24-09-2001
		WO 0168236 A2	20-09-2001
		EP 1265702 A2	18-12-2002
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