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(54) Title: CATALYST AND PROCESS FOR ITS MANUFACTURE

(57) Abstract: The inventive catalyst composition is a sponge metal catalyst comprising at least one skeletal porous sponge metal selected from the group consisting of nickel, cobalt, iron and copper, together with a first promoter metal selected from the group consisting of palladium, platinum, ruthenium, rhodium, osmium and iridium and a second promoter metal selected from the group consisting of iron, nickel, cobalt, zinc, vanadium, cerium, copper, tungsten, molybdenum, titanium, niobium, manganese, silver, cadmium, praseodymium and neodymium. Processes for the manufacture of the catalyst include impregnation or precipitation of the promoter metals onto the sponge metal catalyst.



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## INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

INV. B01J25/00 B01J23/89 C07C209/36

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)

B01J C07C

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

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                                                          | Relevant to claim No. |
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| X         | US 2004/199019 A1 (SCHMIDT STEPHEN RAYMOND [US]) 7 October 2004 (2004-10-07)<br>claims<br>1-3,14,17,20-23,34-36,63,67,68,77-80<br>page 3, paragraphs 25,26<br>page 5, paragraph 45<br>page 7, paragraphs 56,57,61<br>page 8, lines 1-3      | 1-19                  |
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☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                            | Relevant to claim No.    |
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Information on patent family members

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