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(71) Applicants *(for all designated States except US)*: **JOHNSON MATTHEY PLC** [GB/GB]; 40-42 Hatton Garden, London EC1N 8EE (GB). **AKER PROCESS B.V.** [NL/NL]; Houtsingel 5 2719 EA, Zoetermeer (NL).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **CARTHEY, Nicholas, Andrew** [GB/GB]; 4 The Croft, Aston Tirrold, Didcot, Oxfordshire OX11 9DL (GB). **JOHNSTON, Peter** [AT/GB]; 16 Gresley Lodge, Old North Road, Royston, Hertfordshire SG8 5AG (GB). **SMIDT, Martin, Lucas** [NL/NL]; Kwaakhaven 63, 2341 NX Oegstgeest, Oegstgeest (NL).

(74) Agent: **GIBSON, Sara, Hillary, Margaret**; Johnson Matthey Catalysts, PO Box 1, Belasis Avenue, Billingham Cleveland TS23 1LB (GB).

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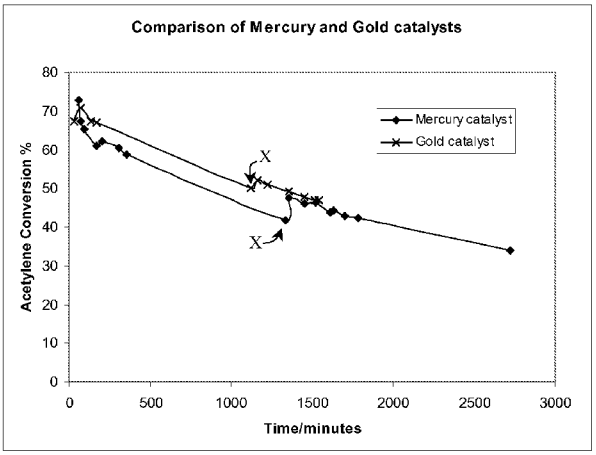
Figure 2



(57) Abstract: A catalyst comprising gold nanoparticles carried on a carbon support is substantially non-toxic and is active for the reaction of ethyne with hydrogen chloride to form vinyl chloride monomer.

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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
INV. C07C17/08 C07C21/06 B01J23/52
ADD.

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)
C07C B01J

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, CHEM ABS Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MARCO CONTE ET AL: "Reactivation of a Carbon-supported Gold Catalyst for the Hydrochlorination of Acetylene" CATALYSIS LETTERS, KLUWER ACADEMIC PUBLISHERS-PLENUM PUBLISHERS, NE, vol. 124, no. 3-4, 22 July 2008 (2008-07-22), pages 165-167, XP019601430 ISSN: 1572-879X Experimental; Fig. 2 -----	1-15
X	BONGANI NKOSI ET AL.,: "HYDROCHLORINATION OF ACETYLENE USING CARBON-SUPPORTED GOLD CATALYSIS: A STUDY OF CATALYST REACTIVATION" JOURNAL OF CATALYSIS, vol. 128, 1991, pages 378-386, XP002584730 Experimental; Table 5 ----- -/--	1-15

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

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance
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28 May 2010	16/06/2010

Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Fax: (+31–70) 340–3016	Grammenoudi, S

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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	DAVID THOMPSON: "NEW ADVANCES IN GOLD CATALYSIS PART I*" GOLD BULLETIN, vol. 31, no. 4, 1998, pages 111-118, XP002584731 page 114, right col., lines 32-page 115, right col., line 5	1-15