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(71) Applicant *(for all designated States except US)*: **BASF CATALYSTS LLC** [US/US]; 100 Campus Drive, Florham Park, NJ 07932 (US).

(72) Inventors: **YANG, Xiaolin, D.**; 48 Netherwood Circle, Edison, NJ 08820 (US). **STOCKWELL, David, M.**; 100 Nelson Place, Westfield, NJ 07090 (US). **TRAN, Pascaline, H.**; 11 Galloping Hill Road, Holmdel, NJ 07733 (US). **SHORE, Lawrence**; 17 Perry Road, Edison, NJ 08817 (US).

(74) Agents: **STEGMAN, Brian** et al.; BASF Catalysts LLC, 100 Campus Drive, Florham Park, NJ 07932 (US).

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(54) Title: MERCURY SORBENT AND METHOD OF ITS MANUFACTURE AND USE

(57) Abstract: Sorbent for removal of mercury and other pollutants from gas streams, such as a flue gas stream from coal-fired utility plants, and method for their manufacture and use are disclosed. The method includes injecting fluid cracking catalyst particles mixed with metal sulphide modified fly ash particles into a flue gas stream.

INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
INV. B01D53/64

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)
B01D

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 902 662 A (TOULHOAT HERVE [FR] ET AL) 20 February 1990 (1990-02-20) column 1, lines 6-10 column 2, lines 33-53; claims	1-22
Y	US 7 048 781 B1 (LOVELL JOHN STANLEY [US]) 23 May 2006 (2006-05-23) column 2, lines 32,33 column 15, lines 17-33; claims; figures 1,8	1-22
Y	US 2005/129597 A1 (CROSS JOSEPH B [US] ET AL) 16 June 2005 (2005-06-16) paragraphs [0002], [0003], [0040], [0041], [0050]; claims	1-22

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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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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, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Eijkenboom, Thomas

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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.
A	US 2003/104937 A1 (SINHA RABINDRA K [US]) 5 June 2003 (2003-06-05) paragraphs [0019], [0022]; claims 1,3-7,15-17	1-22
A	US 6 719 828 B1 (LOVELL JOHN S [US] ET AL) 13 April 2004 (2004-04-13) column 2, lines 26,27 column 4, lines 28-37,52-63 column 5, lines 30-38 column 5, line 44 - column 6, lines 12,41-55 column 7, lines 8-17,38-55 column 21, lines 20-31; claims; figures	1-22
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Information on patent family members

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