



(51) International Patent Classification:  
*C10J 3/00* (2006.01) *C10L 10/00* (2006.01)

(21) International Application Number:  
PCT/IB2008/001980

(22) International Filing Date:  
31 July 2008 (31.07.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
223/CHE/2007 1 August 2007 (01.08.2007) IN

(71) Applicant (for all designated States except US): **NAGARJUNA ENERGY PRIVATE LIMITED** [IN/IN]; Nagarjuna Hills, Punjagutta, Hyderabad 500 082 (IN).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SARKAR, Manoj, Kumar** [IN/IN]; Nagarjuna Energy Private Limited, Nagarjuna Hills, Punjagutta, Hyderabad 500 082 (IN). **PANDEY, Banibrata** [IN/IN]; Nagarjuna Energy Private Limited, Nagarjuna Hills, Punjagutta, Hyderabad 500 082 (IN). **VASANTHI, Malaiyandi** [IN/IN]; Nagarjuna Energy Private Limited, Nagarjuna Hills, Punjagutta, Hyderabad 500 082 (IN). **RAO, Koruprolu, Venkata** [IN/IN]; Nagarjuna Energy Private Limited, Nagarjuna Hills, Punjagutta, Hyderabad 500 082 (IN). **SAKTHIPRIYA, Petichimuthu** [IN/IN]; Nagarjuna Energy Private Limited, Nagarjuna Hills, Punjagutta, Hyderabad 500 082 (IN).

(74) Agents: **BHATTACHARYYA, Goutam** et al.; K & S Parnters, B.K. House, Plot No. 109, Sector-44, Gurgaon 122 002 (IN).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declarations under Rule 4.17:**

— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

**Published:**

— with international search report (Art. 21(3))

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(88) Date of publication of the international search report:

14 January 2010

(54) Title: A PROCESS FOR PREVENTING POLYMERIZATION OF CRACKED VOLATILE PRODUCTS DURING PYROLYSIS AND GASIFICATION

(57) Abstract: The present invention is directed towards a process of preparing a catalyzed carbonaceous material and preventing polymerization of cracked volatile products during pyrolysis or gasification of carbonaceous materials.



**WO 2009/016473 A3**

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IB 2008/001980

## A. CLASSIFICATION OF SUBJECT MATTER

IPC<sup>8</sup>: C10J 3/00C10L10/00

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)

IPC<sup>8</sup>: C10J C10L

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)

STN:CA EPO:WPI

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                         | Relevant to claim No. |
|-----------|------------------------------------------------------------------------------------------------------------|-----------------------|
| A         | US 3689320 A (Ashcroft T. B. et al.) 5 September 1972<br>(05.09.1972)<br><i>Claims 1,2.</i>                | 1-7                   |
|           | --                                                                                                         |                       |
| A         | WO 1991/006618 A1 (United States Department of Energy)<br>16 May 1991 (16.05.1991)<br><i>Claims 1,6-8.</i> | 1-7                   |
|           | ----                                                                                                       |                       |

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

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"A" document defining the general state of the art which is not considered to be of particular relevance

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&amp;" document member of the same patent family

Date of the actual completion of the international search  
28 October 2009 (28.10.2009)Date of mailing of the international search report  
16 November 2009 (16.11.2009)Name and mailing address of the ISA/ AT  
**Austrian Patent Office**  
Dresdner Straße 87, A-1200 ViennaAuthorized officer  
**BÖHM K.**

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.  
PCT/IB 2008/001980

| Patent document cited<br>in search report |   |         | Publication<br>date |  | Patent family<br>member(s) | Publication<br>date |
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|                                           |   |         |                     |  | US A 3689320               | 1972-09-05          |
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|                                           |   |         |                     |  | ES A1 357286               | 1970-03-16          |
| WO                                        | A | 9106618 |                     |  | WO A1 9106618              | 1991-05-16          |
|                                           |   |         |                     |  | EP A1 0451265              | 1991-10-16          |