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Superntendencia de Industria y Comercio
E S D

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO
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Tra 11 PATENTEIYII Evt 379 FASENACIONALI
Act 329 CTOINFORMACION Folios 4

Tramite 011
Evento 379
Actuacion 329

Referencia Expediente No 04001078

Asunto Solicitud de patente para **REDUCCION DE AZUFRE EN LA GASOLINA EN EL CRAQUEO CATALITICO FLUIDO**

Solicitante W R GRACE & CO -CONN AND EXXONMOBIL RESEARCH & ENGINEERING COMPANY

Fecha de solicitud 8 de Enero de 2004

Yo, Emilio FERRERO, obrando como apoderado del solicitante en el asunto identificado en la referencia, atentamente presento junto con este escrito los siguientes documentos

Reporte Internacional Preliminar sobre Patentabilidad Capitulo II del PCT sin anexos

Toda vez que de esta manera quedan satisfechos todos los requisitos formales de la presente solicitud de patente, atentamente solicito que se continúe con su tramitación

27 ABR 2006
Bogota,
Señora Jefe,



EMILIO FERRERO
T P A No 31 929

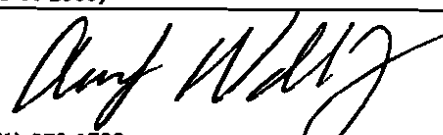
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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference W9517-01	FOR FURTHER ACTION		See Form PCT/IPEA/416
International application No PCT/US02/23243	International filing date (day/month/year) 09 July 2002 (09 07 2002)	Priority date (day/month/year) 10 July 2001 (10 07 2001)	
International Patent Classification (IPC) or national classification and IPC IPC(7). C10G 11/18 and US Cl. 208/ 113, 120 01, 120 02			
Applicant W.R. GRACE & CO. CONN.			
1 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36 2 This REPORT consists of a total of <u>3</u> sheets including this cover sheet 3 This report is also accompanied by ANNEXES comprising a ☐ (sent to the applicant and to the International Bureau) a total of ___ sheets, as follows ☐ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions) ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box b ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) ___ containing a sequence listing and/or tables related thereto, in electronic form only as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions)			
4 This report contains indications relating to the following items ☒ Box No. I Basis of the report ☐ Box No. II Priority ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability ☐ Box No. IV Lack of unity of invention ☒ Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement ☐ Box No. VI Certain documents cited ☐ Box No. VII Certain defects in the international application ☐ Box No. VIII Certain observations on the international application			
Date of submission of the demand 06 February 2003 (06 02 2003)		Date of completion of this report 23 January 2006 (23 01 2006)	
Name and mailing address of the IPEA/ US Mail Stop PCT Attn: IPEA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201		Authorized officer Glenn Caldarola  Telephone No. (571) 272-1700	

Box No I Basis of the report

1 With regard to the language this report is based on:

- ☒ the international application in the language in which it was filed
- ☐ a translation of the international application into English which is the language of a translation furnished for the purposes of
- ☐ international search (under Rules 12.3 and 23.1(b))
- ☐ publication of the international application (under Rule 12.4(a))
- ☐ international preliminary examination (under Rules 55.2(a) and/or 55.3(a))

2 With regard to the elements of the international application this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as originally filed and are not annexed to this report)

- ☒ the international application as originally filed/furnished
- ☒ the description
- pages 1-20 as originally filed/furnished
- pages* NONE received by this Authority on _____
- pages* NONE received by this Authority on _____
- ☒ the claims
- pages 21-23 as originally filed/furnished
- pages* NONE as amended (together with any statement) under Article 19
- pages* NONE received by this Authority on _____
- pages* NONE received by this Authority on _____
- ☐ the drawings
- pages NONE as originally filed/furnished
- pages* NONE received by this Authority on _____
- pages* NONE received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) see Supplemental Box Relating to Sequence Listing

3 ☐ The amendments have resulted in the cancellation of

- ☐ the description, pages _____
- ☐ the claims Nos _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (specify) _____
- ☐ any table(s) related to the sequence listing (specify) _____

4 ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made since they have been considered to go beyond the disclosure as filed as indicated in the Supplemental Box (Rule 70.2(c))

- ☐ the description, pages _____
- ☐ the claims Nos _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (specify) _____
- ☐ any table(s) related to the sequence listing (specify) _____

* If item 4 applies, some or all of those sheets may be marked superseded.

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No
PCT/US02/23243

Box No V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement

1 Statement

Novelty (N)	Claims 1-13	YES
	Claims NONE	NO
Inventive Step (IS)	Claims 1-13	YES
	Claims NONE	NO
Industrial Applicability (IA)	Claims 1-13	YES
	Claims NONE	NO

2 Citations and Explanations (Rule 70.7)

Claims 1-13 meet the criteria set out in PCT Article 33(2) (3) because the prior art does not teach or fairly suggest a process reducing the sulfur content of cracking products from a fluid catalytic cracking wherein the hydrocarbon feed is contacted with vanadium compound to increase the concentration of vanadium in or on the equilibrium catalyst inventory by about 100 to about 20 000 ppm relative to the amount of vanadium initially present in or on the catalyst inventory

Claims 1-13 meet the criteria set out in PCT Article 33(4) and thus have industrial applicability because the subject matter claimed can be made or used in industry

----- NEW CITATIONS -----

DIVISION DE NUEVAS CREACIONES

RADICACIÓN EXPEDIENTE No 04-1078

EL EXTRACTO DE LA PRESENTE SOLICITUD DE PATENTE DE INVENCION

– PCT, FUE PUBLICADO EN LA GACETA DE PROPIEDAD INDUSTRIAL No

555, DE FECHA 31 DE AGOSTO DE 2005, EL TERMINO HABIL SEÑALADO

POR LA LEY EXPIRA EL 28 DE NOVIEMBRE DE 2005

NOTA Dentro del plazo de los seis (6) meses siguientes a partir de la fecha de publicación en la gaceta de Propiedad Industrial, deberá solicitar y cancelar el examen de patentabilidad so pena de que la solicitud caiga en abandono, de acuerdo con lo establecido en el Artículo 44 de la Decisión 486/2000

SE PRESENTARON OPOSICIONES POR PARTE DE TERCEROS

SI ☐ ☐

NO ☐ ☒