



No. 13-256691- -00001-0000

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Act. 538 PETICION Folios: 8

Señor Director
DIRECCION DE NUEVAS CREACIONES
Superintendencia de Industria y Comercio
E. S. D.

Trámite : 011
Evento : 378
Actuación : 538

Referencia : Expediente No. 13256691
Asunto : Solicitud de patente para: **UNIDAD DE RECUPERACIÓN DE AZUFRE Y SU MÉTODO DE RECUPERACIÓN DE AZUFRE**

Solicitante : **JGC CORPORATION**
Clase : C01B 017/004
Publicada en : La Gaceta No.680 del 29 de noviembre de 2013
Fecha de Solicitud : 29 de octubre de 2013

SOLICITUD EXAMEN DE PATENTABILIDAD

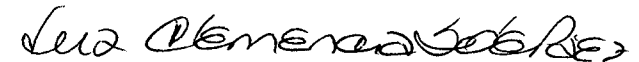
1. Yo, Luz Clemencia de PAEZ, identificada como aparece al pie de mi firma, actuando como apoderada de la sociedad **JGC CORPORATION**, atentamente solicito se efectúe el examen de patentabilidad de la solicitud en referencia presentada de acuerdo con las reglas del Capítulo I del PCT y según lo establecido en el artículo 44 de la Decisión 486 de la Comisión de la Comunidad Andina.

Para tal efecto presento junto con este escrito el recibo por valor de \$520.000.00 que corresponde a la tasa legal fijada según lo dispuesto en la Resolución No. 56451 del 27 de septiembre de 2013.

2. Adicionalmente, presento junto con este memorial copia del Informe Preliminar Internacional sobre patentabilidad expedido en el trámite de la solicitud internacional PCT/JP2012/059016, correspondiente a la presente fase nacional, el cual no contiene anexos.

Por lo anterior, comedidamente solicito se prosiga con el trámite de este asunto.

Señor Director,


LUZ CLEMENCIA DE PAEZ
C.C. 35.456.344 de Usaquén
T.P.A. No. 23.555

COLO-20535-0841-001-2
NCA\MMMS\ID-258906\WPC20535
No. M-2014-258906\NCA

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RECIBO DE CAJA

No. 14 - 006965

Bogotá D.C., Enero 22 de 2014 - 16:48:00

RECIBIDO DE : CAVELIER ABOGADOS

NI 860.041.367

*** Soporte del Pago ***

TIPO PAGO	BANCO	CUENTA	No. PAGO	FECHA PAGO	VR PAGO
CONSIGNACION	BANCO DE BOGOTA	062754387	651483884	22/01/2014	11.993.000.00

*** Conceptos Pagados ***

CANT.	RENTISTICO	CONCEPTO	Vr. UNIDITARIO	Vr. CONCEPTO
1	50005-01-01 SOLICITUDES	114 PTC CAP-II EXAMEN DE PATENTIBILIDAD DE INVENSIÓN	520.000.00	520.000.00
				\$520.000.00

SON: **QUINIENTOS VEINTE MIL PESOS MONEDA CORRIENTE**

Responsable: _____

Recibo de Caja Aplicado al Expediente No. _____

C.O.L.O.: 20535 - 841-001-2.

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, Enero 22 de 2014 - 16:48:03

PATENT COOPERATION TREATY

PCT

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

(PCT Rule 44bis)

Applicant's or agent's file reference X232WOA	FOR FURTHER ACTION		See item 4 below
International application No. PCT/JP2012/059016	International filing date (day/month/year) 02 April 2012 (02.04.2012)	Priority date (day/month/year) 31 March 2011 (31.03.2011)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant JGC CORPORATION			

1.

This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2.

This REPORT consists of a total of 6 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3.

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

4.

The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).

	Date of issuance of this report 08 October 2013 (08.10.2013)
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Yukari Nakamura
Facsimile No. +41 22 338 82 70	e-mail: pt07.pct@wipo.int

PATENT COOPERATION TREATY

TRANSLATION

PCT

From the
INTERNATIONAL SEARCHING AUTHORITYWRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

Date of mailing (day/month/year)	01.05.2012
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Applicant's or agent's file reference X232WOA	FOR FURTHER ACTION See paragraph 2 below
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International application No. PCT/JP2012/059016	International filing date (day/month/year) 02.04.2012	Priority date (day/month/year) 31.03.2011
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International Patent Classification (IPC) or both national classification and IPC C01B17/04 (2006.01) i

Applicant JGC CORPORATION

1. This opinion contains indications relating to the following items:

- | | | |
|-------------------------------------|--------------|--|
| ☒ | Box No. I | Basis of the opinion |
| ☐ | 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 Rule 43bis.1(a)(i) 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 |

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP	Date of completion of this opinion	Authorized officer
Facsimile No.		Telephone No.

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2012/059016

Box No. I

Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of:
☒ the international application in the language in which it was filed
☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:
 - a. (means)
☐ on paper
☐ in electronic form
 - b. (time)
☐ in the international application as filed
☐ together with the international application in electronic form
☐ subsequently to this Authority for the purposes of search
4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		International application No. PCT/JP2012/059016
Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement		
Novelty (N)	Claims 1-13	YES
	Claims	NO
Inventive step (IS)	Claims 1-13	YES
	Claims	NO
Industrial applicability (IA)	Claims 1-13	YES
	Claims	NO
2. Citations and explanations:		
Document 1: JP 2001-270706 A (JGC CORP.) 02 October 2001, paragraphs [0017]-[0024], fig. 1 Document 2: JP 2007-526205 A (SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.) 13 September 2007, paragraphs [0041]-[0044], fig. 1 Document 3: JP 2002-541044 A (THE BOC GROUP, INC.) 03 December 2002, paragraphs [0021]-[0024], fig. 1 Document 4: JP 2001-122602 A (ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES CO., LTD.) 08 May 2001, paragraphs [0004], [0005], fig. 2 The invention as in claims 1-13 is novel and involves an inventive step in relation to documents 1-4 cited in the ISR. None of the documents cited in the ISR discloses the sulfur recovery device provided with a reactor furnace, a first sulfur condenser, a reheater, a catalytic Claus reactor, a second sulfur condenser, and a separator, wherein at least one from among the group consisting of the reheater, the catalytic Claus reactor, the second sulfur condenser, and the separator and the		

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2012/059016

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
reactor furnace are secured to the ground and the devices disposed between the plurality of secured devices are disposed so as to be movable relative to the plurality of secured devices, and such a device would not be obvious to a person skilled in the art.	

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2012/059016

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Paragraph [0037] recites "the catalytic Claus reaction produces sulfur by the same chemical reaction formula given as formula 2, but the reaction temperature is less than that of a high-temperature Claus reaction and the reaction is carried out at a temperature (240-350°C) that is at or above the dew point of sulfur," but the dew point of sulfur is 444.6°C, so the meaning of the underlined portion of the description above is unclear.