



No. 12-073820- -00001-0000

Fecha: 2012-11-16 11:01:21 Dep. 2020 DIR.NUEVASCR
Tra. 11 PATENTEIYII Eve: 379 FASENACIONALII
Act. 538 PETICION Folios: 6

Señor Jefe de la
DIRECCIÓN DE NUEVAS CREACIONES
Superintendencia de Industria y Comercio
E. S. D.

Tramite 011 - Evento 379 - Actuación

Re: Expediente: 12 073820
Fase Nacional: Solicitud de Patente Internacional No.
PCT/GB2010/001931
Titulo: Vaso para la contención de catalizador en un
reactor tubular
Solicitante: Davy Process Technology Limited
Londres, Reino Unido

Obrando como apoderado del solicitante en el proceso de la referencia,
respetuosamente

MANIFIESTO

1. La solicitud de la referencia apareció publicada en la Gaceta de Propiedad Industrial No. 646 de Junio 15, 2012.
2. El artículo 44 de la Decisión 486 de la Comisión de la Comunidad Andina ordena solicitar que se adelante el examen de patentabilidad dentro de los seis (6) meses siguientes a la publicación.
3. Dentro del término legal, adjunto a la presente los Recibos Oficiales de Caja No. 12-117478 del 14 de noviembre del 2012, por valor de \$490,000, tasa correspondiente a la Tasa Nuevas Creaciones - Fase Nacional - Examen de Patentabilidad de Invención - Capitulo I y II PCT.
4. También adjuntamos copia del Reporte Preliminar Internacional de Patentabilidad.

SOLICITO

Que ese despacho proceda a adelantar el examen de fondo de la solicitud de la referencia.

De usted atentamente,

CAMILO H. ALVAREZ BERNATE
T.P.A. No. 20,343
C.C. 19,219,009 de Bogotá

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SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO
NIT : 800.176.089-2
- / -

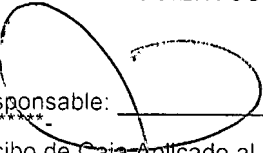
 Industria y Comercio SUPERINTENDENCIA	RECIBO DE CAJA	No. 12 - 117478
		Bogotá D.C., Noviembre 14 de 2012 - 09:37:33

RECIBIDO DE : CAMILO HERNANDO ALVAREZ BERNATE	CC 19.219.009
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*** Soporte del Pago ***					
TIPO PAGO	BANCO	CUENTA	No. PAGO	FECHA PAGO	VR. PAGO
CONSIGNACION	BANCO DE BOGOTA	062754387	492955783	13/11/2012	490.000.00

*** Conceptos Pagados ***			
CANT. RENTISTICO	CONCEPTO	Vr. UNIDITARIO	Vr. CONCEPTO
1 50005-01-01 SOLICITUDES	114 PTC CAP-II EXAMEN DE PATENTIBILIDAD DE INVERSION	490.000.00	490.000.00
			\$490.000.00
		=====	

SON: **CUATROCIENTOS NOVENTA MIL PESOS MONEDA CORRIENTE***

Responsable: 

Recibo de Caja Aplicado al Expediente No. _____

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

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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 GHS/P512435WO	FOR FURTHER ACTION		See item 4 below
International application No. PCT/GB2010/001931	International filing date (day/month/year) 19 October 2010 (19.10.2010)	Priority date (day/month/year) 19 October 2009 (19.10.2009)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant DAVY PROCESS TECHNOLOGY LIMITED			

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 4 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).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. +41 22 338 82 70	Date of issuance of this report 24 April 2012 (24.04.2012)
	Authorized officer Athina Nickitas-Etienne e-mail: pt04.pct@wipo.int

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PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

To:

see form PCT/ISA/220

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY
(PCT Rule 43bis.1)

Date of mailing
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference
see form PCT/ISA/220

FOR FURTHER ACTION
See paragraph 2 below

International application No.
PCT/GB2010/001931

International filing date (day/month/year)
19.10.2010

Priority date (day/month/year)
19.10.2009

International Patent Classification (IPC) or both national classification and IPC
INV. B01J8/06 B01J8/02

Applicant
DAVY PROCESS TECHNOLOGY LIMITED

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 and 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 usually 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:



European Patent Office
D-80298 Munich
Tel. +49 89 2399 - 0
Fax: +49 89 2399 - 4465

Date of completion of
this opinion

see form
PCT/ISA/210

Authorized Officer

Thomasson, Philippe
Telephone No. +49 89 2399-8339



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**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/GB2010/001931

Box No. I Basis of the 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:

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)	Yes: Claims	<u>1-14</u>
	No: Claims	
Inventive step (IS)	Yes: Claims	<u>1-14</u>
	No: Claims	
Industrial applicability (IA)	Yes: Claims	<u>1-14</u>
	No: Claims	

2. Citations and explanations

see separate sheet

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING
AUTHORITY (SEPARATE SHEET)

International application No.

PCT/GB2010/001931

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1 Closest prior art.

D1 (EP-A-1 300 190) discloses an annular **container** for catalyst to be used in a **radial flow** reactor (see D1: International Search Report).

2 Novelty.

The subject-matter of claim 1 differs from D1 in that the annular container comprises a skirt extending upwardly along the outer wall of the annular container (Article 33(2) PCT).

3 Inventive step.

The technical problem to be solved against D1 is to improve the heat-exchange within a radial catalytic reactor (see the present application on page 2, paragraph 4). By incorporating a skirt along the outer wall of the annular container, the fluid will flow firstly radially within the container and secondly upwardly between the outer wall of the container and the skirt (see the present application on figure 7). This longer path allows a higher heat-exchange (see the present application on page 7, paragraph 3). D1 neither discloses nor suggests the claimed skirt; D1 restricts to a conventional container for a radial flow. An inventive step can therefore be recognized (Article 33(3) PCT).