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No. 07-023405-00001-0000

Fecha: 2007-04-17 15:58:33 Dep. 2020 NUECREACIONES
Tra. 11 PATENTEIYI Eve: 378 FASENACIONALI
Act. 329 CTOINFORMACION Folios: 7

Trámite :004
Evento :001
Actuación:329

Referencia : Expediente No. 07.023.405
Asunto : Solicitud de patente para ESTEROIDES 15B-
SUSTITUIDOS QUE TIENEN ACTIVIDAD
ESTROGENICA SELECTIVA

Solicitante : N.V. ORGANON
Fecha Solicitud : 08 de marzo de 2007

Yo, Emilio FERRERO, obrando como apoderado del solicitante en el asunto identificado en la referencia, acompaño con el presente escrito, la copia del Reporte Preliminar Internacional de Patentabilidad, en el que en el que la Oficina Europea de Patentes concluye que la invención de la referencia goza de novedad, nivel inventivo y aplicación industrial.

Bogotá,
Señora Jefe,

EMILIO FERRERO
T.P.A. N° 31.929

COLO 00299-841-007-6
FBI/FBIH/

266
ID-000701/WPCL0299
Cas M-2007-00004216

NIT 880.041.387-3

PATENT COOPERATION TREATY

PCT/EP2005/054368

From the INTERNATIONAL BUREAU

PCTNOTIFICATION CONCERNING
TRANSMITTAL OF COPY OF INTERNATIONAL
PRELIMINARY REPORT ON PATENTABILITY
(CHAPTER I OF THE PATENT COOPERATION
TREATY)

(PCT Rule 44bis.1(c))

To:

KHAAK, Hajo
N.V. Organon
P.O. Box 20
NL-5340 Bh Oss
PAYS-BAS

29 MRT 2007	
Behandeld door	LBR
Adm. opgemerkt	AvL
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Beantw. d.d.	
Afgegeven	Bi

Date of mailing (day/month/year)
22 March 2007 (22.03.2007)Applicant's or agent's file reference
2004.847_WO

IMPORTANT NOTICE

International application No.
PCT/EP2005/054368International filing date (day/month/year)
05 September 2005 (05.09.2005)Priority date (day/month/year)
08 September 2004 (08.09.2004)

Applicant

N.V. ORGANON et al

The International Bureau transmits herewith a copy of the international preliminary report on patentability (Chapter I of the Patent Cooperation Treaty)

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Yolaine Cussac

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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 2004.847_WO	FOR FURTHER ACTION		See item 4 below
International application No. PCT/EP2005/054368	International filing date (day/month/year) 05 September 2005 (05.09.2005)	Priority date (day/month/year) 08 September 2004 (08.09.2004)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant N.V. ORGANON			

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 5 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 13 March 2007 (13.03.2007)
	Authorized officer Yolaine Cussac e-mail: pt11.pcr@wipo.int

Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

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From the
INTERNATIONAL SEARCHING AUTHORITY

REC'D 3 1 JAN 2006

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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/EP2005/054368

International filing date (day/month/year)
05.09.2005

Priority date (day/month/year)
08.09.2004

International Patent Classification (IPC) or both national classification and IPC
C07J100, A61K31/56, A61P5/00

Applicant
AKZO NOBEL N.V.

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 usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, 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 three 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-80288 Munich
Tel. +49 89 2399 - 0 Tx: 523656 optima d
Fax: +49 89 2399 - 4465

Authorized Officer

Friedel, F
Telephone No. +49 89 2399-8552



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, unless otherwise indicated under this item.
☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material:
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material:
☐ in written format
☐ in computer readable form
 - c. time of filing/turnishing:
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto 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.
4. 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	1-10
	No: Claims	
Inventive step (IS)	Yes: Claims	1-10
	No: Claims	
Industrial applicability (IA)	Yes: Claims	1-10
	No: Claims	

2. Citations and explanations

see separate sheet

point V:

The application claims 17α -pregna-1,3,5(10)-trien-20-yne derivatives which are substituted at C-15 of the steroid skeleton (in β -position) by methyl, ethyl, ethenyl or ethinyl (opt. subst. by halogen). Said steroids exhibit an affinity for estrogen receptors with a high selectivity for the estrogen receptor α -subtype: for compound 8 according to Tab.1 of the description the $ER\alpha/ER\beta$ selectivity is 15.2.

C-20 α -ethinylated estrogens with this substitution pattern are new and there is no hint to such compounds in the prior art. The subject-matter of Claims 1 to 10 is deemed to meet the requirements of Art.33(2) (3) PCT.