

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference B30/0261	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/IB2009/007549	International filing date (day/month/year) 24/11/2009	(Earliest) Priority Date (day/month/year) 24/11/2008
Applicant PIANTELLI SILVIA		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out 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))

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (See Box No. II)

3. **Unity of invention is lacking** (see Box No III)

4. With regard to the **title**,

- the text is approved as submitted by the applicant
 the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- the text is approved as submitted by the applicant
 the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 16
 as suggested by the applicant
 as selected by this Authority, because the applicant failed to suggest a figure
 as selected by this Authority, because this figure better characterizes the invention
- b. none of the figures is to be published with the abstract

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2009/007549

A. CLASSIFICATION OF SUBJECT MATTER
INV. G21B3/00
ADD.

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)
G21B

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 practical, search terms used)
EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 95/20816 A1 (FOCARDI SERGIO [IT]; HABEL ROBERTO [IT]; PIANTELLI FRANCESCO [IT]) 3 August 1995 (1995-08-03) cited in the application the whole document	1-3,5-8, 13-15
Y	DE 40 24 515 A1 (PHILBERTH KARL [DE]; PHILBERTH BERNHARD [DE]) 20 February 1992 (1992-02-20) column 2, line 32 - line 56 column 3, line 68 - column 4, line 10 column 4, line 58 - line 65 column 5, line 7 - line 36 claims 2,3,6,17,20	1-3,5-8, 13-15
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Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents :

<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"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</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>"&" document member of the same patent family</p>
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Date of the actual completion of the international search 13 April 2010	Date of mailing of the international search report 22/04/2010
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Capostagno, Eros
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INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2009/007549

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>AZONANO TECHNOLOGY: "Fuel Cell, Energy Storage and Solar Energy Applications for Nanomaterials and Nanoparticles" INTERNET ARTICLE, [Online] 2 August 2005 (2005-08-02), pages 1-7, XP002551718 Retrieved from the Internet: URL:HTTP://WWW.AZONANO.COM/DETAILS.ASP?ARTICLEID=1339> [retrieved on 2009-10-20] page 3, last paragraph - page 4, paragraph 1</p>	1,14
A	<p>JASON STAIRS: "CLUSTER" NANOWORD NET, [Online] 25 February 2007 (2007-02-25), XP002551719 Retrieved from the Internet: URL:http://web.archive.org/web/20070225054718/http://www.nanoword.net/library/defgen/generate.php?termid=146> [retrieved on 2009-10-20] the whole document</p>	1,14
A	<p>PHILLIPS J C: "Heuristic model for hydrogen chemisorption on transition metal clusters" JOURNAL OF CHEMICAL PHYSICS, vol. 84, no. 3, 1 February 1986 (1986-02-01), pages 1951-1952, XP008113612 AMERICAN INSTITUTE OF PHYSICS, NEW YORK, NY, US ISSN: 0021-9606 the whole document</p>	1,14
A	<p>WO 96/35215 A1 (MASSACHUSETTS INST TECHNOLOGY [US]) 7 November 1996 (1996-11-07) page 4, line 15 - line 23 page 24, line 24 - line 29</p>	1,14

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2009/007549

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9520816	A1	03-08-1995	AT 180918 T 15-06-1999
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