

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 16.1929-B	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/ES2016/070559	International filing date (<i>day/month/year</i>) 22 July 2016 (22-07-2016)	(Earliest) Priority Date (<i>day/month/year</i>) 23 July 2015 (23-07-2015)
Applicant AVILES OSBORNE, PABLO		

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 6 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 43.6**bis**(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:

SYSTEM AND METHOD FOR GUIDED IMPLANTOPLASTY

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, 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. 1

- 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/ES2016/070559

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: **14-18**
because they relate to subject matter not required to be searched by this Authority, namely:
see FURTHER INFORMATION sheet PCT/ISA/210

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No
PCT/ES2016/070559

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61C1/08
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)
A61C

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 practicable, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 2 168 529 A2 (BAGAMBISA FRANK [DE]) 31 March 2010 (2010-03-31) paragraph [0021]; figures -----	1-3,5,6, 12
X	US 5 868 572 A (LAZZARA RICHARD J [US] ET AL) 9 February 1999 (1999-02-09) column 3, lines 1-45; figures -----	1-3,5-7, 9,12,13
X	KR 2014 0058830 A (NEOBIOTECH CO LTD [KR]) 15 May 2014 (2014-05-15) figures -----	1-3,5-7, 9,12,13
X,P	ES 2 553 678 A1 (TALON GRACIANI ANTONIO [ES]; AVILES OSBORNE PABLO [ES]) 10 December 2015 (2015-12-10) the whole document -----	1-13
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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 application or patent 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 6 December 2016	Date of mailing of the international search report 15/12/2016
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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 Fouquet, Michèle
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INTERNATIONAL SEARCH REPORT

International application No
PCT/ES2016/070559

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2007/129955 A1 (NOBEL BIOCARE SERVICES AG [CH]; BRAJNOVIC IZIDOR [SE]) 15 November 2007 (2007-11-15) claims; figures	1-13
X	----- US 2012/028215 A1 (WADE CURTIS K [US] ET AL) 2 February 2012 (2012-02-02) paragraphs [0006], [0007], [0042] - [0047], [0050], [0051], [0121], [0139]; figures	1-7, 11-13
X	----- DE 10 2005 032933 A1 (UNIV GIESSEN JUSTUS LIEBIG [DE]) 18 January 2007 (2007-01-18) figures	1-3,5,6, 9,10,12, 13

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/ES2016/070559

Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
EP 2168529	A2	31-03-2010	DE 102008049012 A1	22-04-2010
			EP 2168529 A2	31-03-2010
			US 2010081107 A1	01-04-2010
			US 2012308955 A1	06-12-2012

US 5868572	A	09-02-1999	NONE	

KR 20140058830	A	15-05-2014	NONE	

ES 2553678	A1	10-12-2015	NONE	

WO 2007129955	A1	15-11-2007	AU 2007248943 A1	15-11-2007
			BR PI0711288 A2	23-08-2011
			EP 2019643 A1	04-02-2009
			KR 20090007477 A	16-01-2009
			US 2009239197 A1	24-09-2009
			WO 2007129955 A1	15-11-2007

US 2012028215	A1	02-02-2012	US 2012028215 A1	02-02-2012
			US 2014106295 A1	17-04-2014

DE 102005032933	A1	18-01-2007	DE 102005032933 A1	18-01-2007
			WO 2007006258 A1	18-01-2007

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Claims Nos.: 14-18

A meaningful search is not possible on the basis of claims 14-18 because these claims are directed to a method for treatment of the human or animal body by surgery (Rule 39.1(iv) PCT). Especially step d) of claim 14, reading "drilling (in the human bone) using the drilling body on the portion of the implant (already installed in the bone) to be treated". Also the dependent claims 15-18 refer to that drilling step.