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[Continued on next page]

(54) Title: ORTHOPEDIC IMPLANT KIT

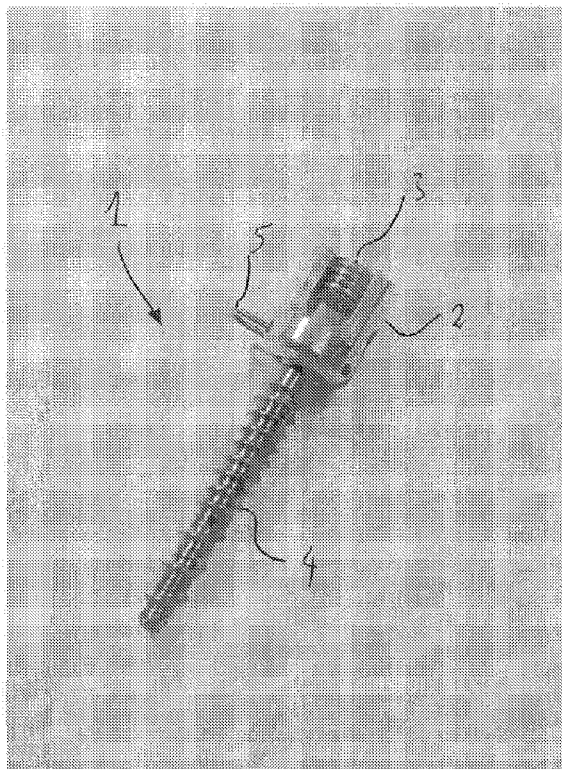


Fig. 2

(57) Abstract: Orthopedic implant kit comprising a lockable poly-axial screw (1), a tissue dilatation sleeve (9), a screw driver, a screw extender (6), a rod (7), rod-reduction means (8), a set screw driver (26), a torque limiting mechanism (10,28) and a screw releasing instrument (26).



EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
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Declarations under Rule 4.17:

— *as to the applicant's entitlement to claim the priority of
the earlier application (Rule 4.17(ii))*

INTERNATIONAL SEARCH REPORT

International application No PCT/IB2014/060979
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A. CLASSIFICATION OF SUBJECT MATTER INV. A61B17/70 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) A61B				
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, WPI Data				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Y	US 2011/263945 A1 (PETERSON JOSEPH [US] ET AL) 27 October 2011 (2011-10-27) paragraphs [0041], [0042], [0045], [0048], [0061], [0082]; figures 1-5, 6B, 8, 14-17 -----	1		
Y	US 2013/012999 A1 (PETIT DOMINIQUE [FR]) 10 January 2013 (2013-01-10) cited in the application paragraphs [0067], [0071], [0190] -----	1		
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.				
* Special categories of cited documents : <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;"> "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "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) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed </td> <td style="width: 50%; border: none; vertical-align: top;"> "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 "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 "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 "&" document member of the same patent family </td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "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) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"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 "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 "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 "&" document member of the same patent family
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "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) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"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 "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 "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 "&" document member of the same patent family			
Date of the actual completion of the international search 2 September 2014	Date of mailing of the international search report 25/11/2014			
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 Dydenko, Igor			

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2014/060979

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2011263945 A1	27-10-2011	US 2011263945 A1	27-10-2011
		US 2013331892 A1	12-12-2013

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		US 2013018418 A1	17-01-2013
		WO 2011080426 A2	07-07-2011

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2014/060979

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.:
because they relate to subject matter not required to be searched by this Authority, namely:

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:

see additional sheet

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.:

1

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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claim: 1

an orthopedic implant kit comprising a lockable poly-axial screw, a tissue dilatation sleeve, a screw driver, a screw extender, a rod, rod-reduction means, a set screw driver, a torque limiting mechanism and a screw releasing instrument

2. claims: 2-5

a lockable poly-axial orthopedic screw comprising a head and a threaded portion forming two separate elements, fixed to each other but which may be independently oriented along a specific direction; said screw furthermore comprising a locking element which, when activated, suppresses the relative movement between the threaded portion and the head, transforming thereby the poly-axial screw into a mono-axial screw, wherein the locking element is a clip having a U-shape and wherein the head and the threaded portion contain cavities which are adapted to receive the branches of the U-shape clip.

3. claims: 6-18

an orthopedic screw extender comprising a hollow cylindrical body made of two half tubes separated by two opposite longitudinal slots having an open end towards the cylindrical body distal part, said distal part being dimensioned to receive and hold a screw head, wherein said cylindrical body comprises an internal threaded part.

4. claims: 19, 20

a tissue dilatation sleeve comprising a flexible conical part which is adapted to be temporarily fixed to the distal part of an instrument such as a screw extender as defined in the previous claims
