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Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

[Continued on next page]

(54) Title: ORTHOPEDIC FIXATION PLATE

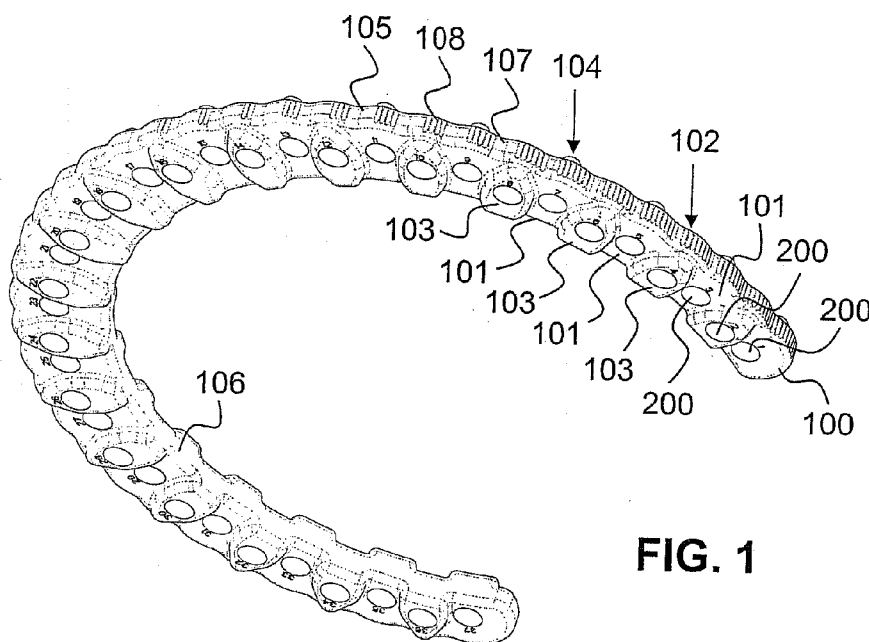


FIG. 1

(57) Abstract: An orthopedic fixation plate (100) for an external fixator having the shape of a ring or a ring-segment extending essentially around a centre axis (M) comprises a first surface (101) running perpendicular to said centre axis (M), a second surface (102) which is parallel to the first surface (101), and a plurality of spaced apart through openings (200) running parallel to the centre axis (M) and extending through the fixation plate (100). The fixation plate (100) comprises at least a third surface (103) which is parallel to the first surface (101). A further set of through openings (200) extends from the first surface (101) to the third surface (103). The third surface (103) is along said centre axis (M) axially displaced from the other surfaces (101, 102).



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10 December 2009

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2009/054473

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61B17/62

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 practical, 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	US 5 728 095 A (TAYLOR HAROLD S [US] ET AL) 17 March 1998 (1998-03-17) figures 1,2,11,12	1,6,10
X	WO 01/22892 A (BUNDGAARD KRISTIAN G [DK]) 5 April 2001 (2001-04-05) figure 2	1,2,6,10
X	WO 92/14426 A (DANEK MEDICAL INC [US]) 3 September 1992 (1992-09-03) figures 1,3	1-10
X	DE 44 21 223 A1 (FISCHER JUERGEN [DE]) 21 December 1995 (1995-12-21) the whole document	1,6,10
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Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document 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

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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2009/054473

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/30650 A (ORTHOFIX SRL [IT]; SALEH MICHAEL [GB]; NEAL MICHAEL [IT]; VENTURINI DA) 28 August 1997 (1997-08-28) figures 1,3 -----	1,6,10

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2009/054473

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.:

see annex

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. claims: 1-10

A fixation plate according to claim 1, further comprising embossments for solving the problem of providing attachment points at different height levels.

2. claim: 11

A fixation plate according to claim 10, wherein the screw is hollow, thereby solving the problem of providing an additional opening to accommodate elements to fix a wire to the fixation plate.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2009/054473

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