A MEDICAL DEVICE FOR LIMB IMMobilIZATION

Abstract: A device which immobilizes and supports the injured parts of the body, especially the extremities. It comprises a substantially planar shaped body with a broad head portion and a tapering tail portion, the body provided with a plurality of slots on either of its sides; a plurality of spaced apart fastening elements extending transversely of the body portion and adapted to anchor on the slots present on the planar body; wherein at least in the slots are placed in a manner such that the fastening elements provide adequate support to the limb. The invention also encompasses a kit comprising the device along with accessories like rods, padding devices, etc.

Figure 1
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, 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, SM, TR), OAPI (BF, BI, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

--- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(g))
--- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(h))
--- of inventorship (Rule 4.17(iv))

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))

(88) Date of publication of the international search report:

11 August 2011
INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB 10/03195

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - A61 F 5/058 (201 1.01) USPC - 602/6

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)
USPC: 602/6

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 602/1, 2, 5, 12, 16, 23, 36
IPC(8): A61F5/00, 5/01, 5/02, 5/04, 5/05 (keyword limited; terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST/PQPI, USPT, EPAB, JPAB: Google
Search Terms Used: slot, channel, aperture, hole, velcro, hook, loop, splint, brace, fixation, straight, flat, planar, ang$4, ang$4, offset, tieh3, immobiliz$5

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 5,865,780 A (TUITE) 02 February 1999 (02.02.1999) fig 1, col 6, ln 7-14, col 6, ln 65-67, col 7, ln 1-5</td>
</tr>
<tr>
<td>A</td>
<td>US 2006/0120975 A1 (SCHENBERG et al) 15 June 2006 (15.06.2006) see whole document</td>
</tr>
<tr>
<td>A</td>
<td>US 6,102,878 A (NGUYEN) 15 August 2000 (15.08.2000) see whole document</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

* 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 application or patent but published on or after the international filing date
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  "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
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"&" document member of the same patent family

Date of the actual completion of the international search
24 May 201 1 (24.05.201 1)

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P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Date of mailing of the international search report
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Form PCT/ISA/210 (second sheet) (July 2009)
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.: 1
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☒ Claims Nos.: 14
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:
Claim 14 is an omnibus claim that fails to set out the features that the applicant claims as their invention.

3. ☒ Claims Nos.: 4-6, 9-10
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

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 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.