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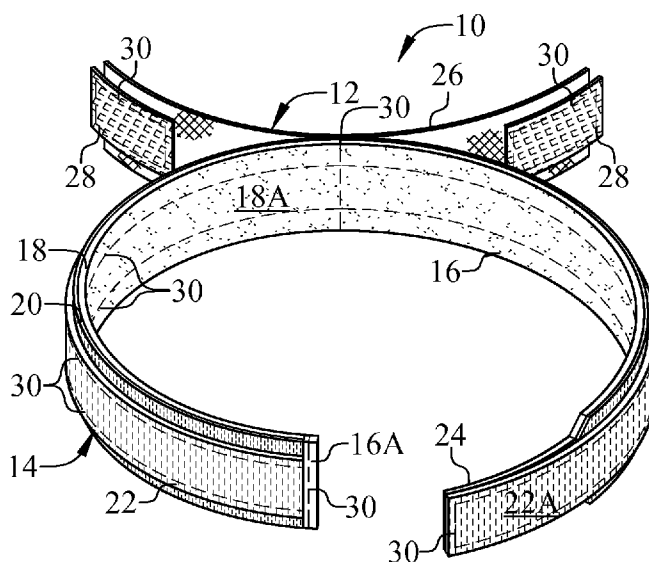
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3 July 2008

(54) Title: SACROILIAC BELT AND COMPOSITE STRUCTURE



(57) Abstract: A sacroiliac belt with a non-elastic inner belt to wrap around the user's hips and an elastic outer belt to wrap from the back to opposite sides of the inner belt. Non-cinchable hook and loop fastener construction is used to secure the inner and outer belts in position. The inner belt includes an inside elastomeric foam layer with open-cell frictional gripping surface, a non-elastic outside layer of loop material, and a hook tab for engaging the loop material to close the belt. The inner belt may be established with a non-elastic composite foam-fabric structure comprising a bi-laminate of the foam and elastic fabric, and a strip of loop material secured lengthwise onto the fabric side of the bi-laminate. The outer belt includes an elastic strip and hook tabs for connecting to the strip of loop material. The non-elastic composite foam-fabric may be used in other orthopedic braces and supports.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/65933

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61F 5/00 (2008.01)

USPC - 602/19

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)

IPC8 : A61F 5/00 (2008.01)

USPC : 602/19

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

IPC8 : A61F 5/03, A61F 5/24, A61F 5/30, A61F 5/37(2008.01)

USPC : 128/102.1, 128/117.1, 128/101.1, 128/96.1, 128/100.1, 128/106.1, 2/44, 2/908, 602/5

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST (PGPB,USPT,EPAB,JPAB), Google Scholar

foam, elastomeric, open cell, friction, grip, moisture, wick, back, iliac, lumbar, spine, spinal, belt, truss, support, brace, sacroiliac, stretch, loop, fabric, layer, inelastic, nonelastic

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,188,585 A (PETERS) 23 February 1993 (23.02.1993) see especially col 3, ln 12-57, col 4, ln 27-29, col 5, ln 12-17, col 5, ln 42-52	1-21
Y	US 5,421,809 A (RISE) 6 June 1995 (06.06.1995) see especially col 3, ln 8-38	1-21
Y	US 3,561,436 A (GAYLORD Jr) 9 February 1971 (09.02.1971) see especially col 1, ln 58-63	1-21

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"A" document defining the general state of the art which is not considered to be of particular relevance

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"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

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