

1) Family number: 61642432 (US2016037946A)

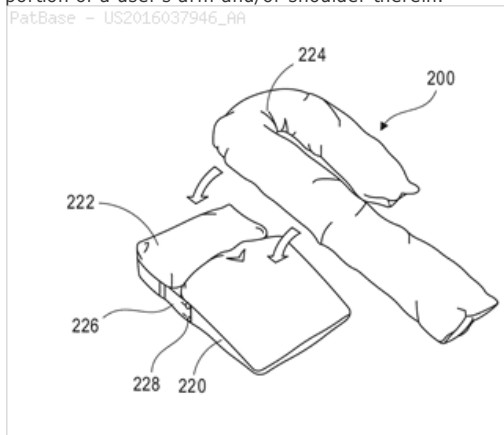
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Title: THERAPEUTIC CUSHION SYSTEMS AND METHODS

Abstract: Apparatus and methods for providing therapeutic treatment for symptoms associated with GERD and/or other digestive disorders and/or other medical conditions are described herein. In some embodiments, an apparatus includes a base support and a support pillow member. The base support includes a support element portion and an encasement portion. The support element portion has a first end portion and a second end portion and a top surface disposed at an angle relative to a bottom surface of the support element. The second end portion has a height greater than the first end portion. The support element portion and the encasement portion collectively define an interior region. The support pillow member is disposable within the interior region. The support pillow member, the support element portion and the encasement portion collectively define a receiving portion configured to receive at least a portion of a user's arm and/or shoulder therein.

Classifications:

International (ipc 8-9): A47C A47C16/00 A47C20/00 A47C20/02 A47C20/04 A47C27/00 A47C27/14 A47C3/16 A47G A47G9/06 A47G9/10 A61G A61G7/065 A61G7/07 A61G7/075 (Advanced/Invention); A47C16/00 A47C27/14 A47G9/10 (Advanced/Non-invention); A61G (Subclass/Invention)
CPC: A47C20/021 A47C20/023 A47C16/00 A47C27/144 A47G9/1063 A47C20/02 A47C20/026 A47C20/027 A47C27/00 A61G7/07 A61G7/075
US: 1/1 5/632 5/636



Family:

Publication number	Publication date	Application number	Application date
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Priority:

US20140455389 20140808 AU20150300905 20150807 US20150820832 20150807
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US20190447604 20190620 AU20200204454 20200703

Probable Assignee: AMENITY HEALTH INC

Assignee(s): (std): AMENITY HEALTH INC ; CLARK AARON ; ERICKSON CLINT ; MELCHER CARL

Assignee(s): AMENITY HEALTH INC SAN DIEGO

Inventor(s): (std): CLARK AARON ; ERICKSON CLINT ; MELCHER CARL ; CLINT ERICKSON ; CARL MELCHER ; AARON CLARK

Inventor(s): MELCHER CARL SAN DIEGO ; ERICKSON CLINT SAN DIEGO ; CLARK AARON SAN DIEGO

Agent(s): SHELSTON IP PTY LTD; SMART AND BIGGAR; HERNANDEZ YORCK DIPL ING; COOLEY UK LLP; KING AND WOOD MALLESONS IP LTD; LUZZATTO AND LUZZATTO; INABA YOSHIYUKI; COOLEY LLP; ZIMMER KEVIN J ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

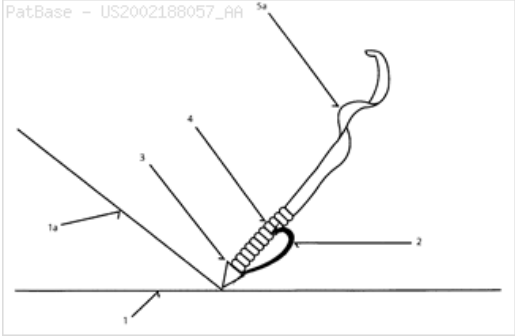
2) Family number: 31497173 (US2002188057A) © PatBase

Title: GELATINOUS ELASTOMER COMPOSITIONS AND ARTICLES FOR USE AS FISHING BAIT

Abstract: A soft gelatinous elastomer composition and article useful as fishing bait formed from one or a mixture of two or more of a poly(styrene-ethylene-butylene-styrene) block copolymer(s) and one or more plasticizers being in sufficient amounts to achieve a gel rigidity of from about 20 gram Bloom to about 800 gram Bloom

Classifications:

International (ipc 8-9): A01K84/00 A01K85/00 A01K85/01 A01K97/04 A01N15/00 A01N25/00 A23L1/00 A23L1/05 A23L13/60 A23L17/00 A23L29/20 A46B1/00 A46B9/04 A47C17/00 A47C27/00 A47C7/00 A61B19/00 A61C15/00 A61C15/04 A61F2/06 A61F2/78 A61F2/80 A61K47/00 A61M5/00 A61M5/15 A63H1/32 A63H27/18 A63H33/18 B01D61/38 B21D26/02 B21D26/05 B21D37/20 B29C67/20 B32B27/00 B32B27/22 B32B27/30 B60K28/00 B60K3/00 B60R21/16 B60R21/26 B60R22/00 B61C15/00 B63B11/04 B63B9/08 B68G11/04 B68G5/00 C08F1/28 C08F175/00 C08F297/04 C08J5/02 C08K3/00 C08K5/01 C08K5/24 C08L1/00 C08L23/16 C08L25/10 C08L51/00 C08L53/00 C08L53/02 C08L53/05 C08L9/00 C09D11/02 C09J153/02 C09J7/02 C10G1/04 C21D8/02 C22C38/42 C22C38/48 C22C38/50 C22C38/54 C22C38/58 H02N1/00 H02N2/00 (Advanced/Invention);



A61F2/78 A61M5/31 C08L101/00 (Advanced/Non-invention); A01K85/00 A01K85/01 A01K97/04 A01N25/00 A23L1/00 A23L1/05 A47C17/00 A47C27/00 A47C7/00 A61B19/00 A61C15/00 A61F2/50 A61K47/00 A61M5/00 A61M5/14 A63H1/00 A63H27/00 A63H33/00 B01D61/38 B21D26/00 B21D37/20 B29C67/20 B32B27/00 B32B27/22 B32B27/30 B60K28/00 B60K3/00 B60R21/16 B60R21/26 B60R22/00 B63B11/00 B63B9/00 B68G5/00 C08F297/00 C08K3/00 C08K5/00 C08L1/00 C08L23/00 C08L25/00 C08L51/00 C08L53/00 C08L9/00 C09D11/02 C09J153/00 C09J7/02 C10G1/00 C21D8/02 C22C38/42 C22C38/48 C22C38/50 C22C38/54 C22C38/58 H02N1/00 H02N2/00 (Core/Invention); A61F2/50 A61M5/31 C08L101/00 (Core/Non-invention)

International (ipc 1-7): A01K85/00 A01N25/00 A23L1/00 A41D1/300 A41D13/00 A42B3/00 A47L13/08 A47L25/00 A47L25/08 A61C15/00 A61C15/04 A61F2/00 A61F2/78 A61F2/80 A61K47/00 A61K7/00 A62B1/700 A62B17/00 A63H1/32 A63H27/00 A63H27/14 A63H27/18 A63H3/00 A63H33/00 A63H33/18 B21D26/02 B21K5/20 B32B27/04 B32B27/08 B32B27/12 B32B27/32 B32B5/02 B32B5/16 B60R21/16 B60R21/26 B60R21/28 B61C1/500 B61C15/00 B63C9/08 B64G6/00 C07C7/10 C08C53/00 C08J5/02 C08J5/100 C08J51/00 C08K3/00 C08K3/20 C08K5/00 C08K5/01 C08K5/24 C08L1/00 C08L23/00 C08L3/00 C08L51/00 C08L53/00 C08L53/02 C08L73/00 C08L75/00 C08L9/00 G02B5/04 G02B6/00 H02N1/00

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European: A01K85/00 A01K85/01 A01K97/04B A23L1/0562B A23L1/317D A23L1/325E A46B15/00B A46B15/00B2D A46B9/02E A46B9/04 A61C15/00 A61C15/04B A61F9/008 A61F9/008C A63H1/32 A63H33/18W B01D61/38 B21D26/055 B21D37/20 B32B27/00 B60R21/235 C08F297/02 C08F297/04 C08F297/04K C08K5/00P1 C08K5/01 C08L23/02 C08L51/00 C08L53/00 C08L53/00B C08L53/02 C08L53/02B C08L91/00 C09J153/02 C09J153/02B C10G1/04 C21D8/02D2 C22C38/42 C22C38/48 C22C38/50 C22C38/54 C22C38/58 K46B200/10G K61B18/20J K61F2/78C K61F2/78C4 K61F2/80 K61F9/008L1 K61M5/31A3E2 L60R21/235M M08K3/00P5 M08L101/00B M08L205/03 M08L205/06 M08L23/02 M08L23/06 M08L23/30 M08L91/00

US: 128/112.1 128/113.1 128/117.1 128/206.12 128/206.21 128/408 128/857 132/308 132/321 132/323 132/329 135/68 135/71 135/72 135/82 15/104.002 15/104.2 15/110 15/167.1 15/207.2 15/210.1 15/214 151/40.02 174/137A 174/137B 180/271 2/2.11 2/2.15 2/2.16 2/211 2/215 2/216 2/410 2/411 2/423 2/424 2/428 2/455 2/456 2/457 2/458 2/54 2/69 2/79 204/606 204/607 264/109 264/113 264/122 264/211.13 264/46.4 264/464 264/53 280/728.1 280/728.2 280/740 280/741 280/742 280/742P 297/391 297/392 297/394 297/397 297/411.2 297/423.1 297/DIG.1 297/DIG.4 310/309 310/309P 36/153 36/37 36/43 38/514 424/401 424/401P 424/405 424/405P 424/429 424/439P 424/448 424/484 426/1 426/573 427/162 428/301.4 428/308.4 428/319.3 428/319.7 428/319.9 428/35.2 428/352 428/378 428/401 428/407 428/441 428/462 428/515 428/52 428/521 428/537.1 428/688 43/26.2 43/35 43/42 43/42.24 43/42.26 43/42.32 43/42.33 43/42.34 43/42S 43/43.33 433/216 44/271 441/102 441/102S 442/59 442/62 442/85 442/85P 446/253 446/254 446/34 446/385 446/46 446/48 446/486 446/490 446/491 446/61 446/62 446/66 5/632 5/636 5/640 5/652 5/653 5/654 5/655.5 5/655.9 5/724 5/909 52/447.4 521/139 521/140 521/148 521/50 521/54 523/105 523/113 523/218 523/218S 524/187 524/226 524/232 524/261 524/270 524/271 524/272 524/274 524/275 524/277 524/284 524/313 524/315 524/366 524/375 524/379 524/394 524/399 524/400 524/450 524/474 524/476 524/481 524/484 524/485 524/486 524/487 524/490 524/491 524/505 524/507 524/508 524/513 524/515 524/543 524/543S 524/549 524/571 524/571S 524/575 524/578 524/81 524/98 525/148 525/240 525/240P 525/241 525/314 525/476 525/490 525/505 525/521 525/8 525/89 525/95 525/95S 525/98 525/99 56/52 56/559 565/550 57/24 585/833 601/141 602/1 602/41 602/41P 602/61 602/62 602/63 604/262 604/263 604/408 604/410 604/411 606/16P 606/2S 623/1.11 623/1.110S 623/11 623/11.11 623/13.12 623/16.11 623/18 623/20 623/20.14 623/21.11 623/23.4 623/23.41 623/23.58 623/27 623/33 623/36 623/37 623/59 623/61 623/63 623/8 66/171 66/178R 66/184 66/185 66/187 701/45 72/60 72/63 72/709 76/107.1

Locarno class: 24/58

Family:

Publication number	Publication date	Application number	Application date
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US19770778343	19770317	US19770815315	19770713	US19780916731	19780619
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Probable Assignee: APPLIED ELASTOMERICS INC

Assignee(s): (std): APPLIED ELASTOMERICS INC ; BOEING CO ; CHEN JOHN Y

Assignee(s): APPLIED ELASTOMERICS INCORPORATED ; PATENT AND LICENSE OFFICE ; THE BOEING COMPANY ; ALLIED ELASTOMERICS INC

Inventor(s): (std): CHEN JOHN YOUNG FU ; SANDERS DANIEL G ; CHEN JOHN YOUNGFU ; CHEN JOHN Y

Inventor(s): CHEN JOHN ; JOHN YOUNGFU CHEN ; JOHN Y CHEN

Agent(s): GOWLING LAFLEUR HENDERSON LLP; APPLIED ELASTOMERICS INC; JOHN Y CHEN APPLIED ELASTOMERICS INC

Designated states: AT AU BE BR CA CH CN CZ DE DK ES FI FR GB GE GR HU IE IT JP KR LU MC NL NO NZ PL PT RO RU SE US VN

3) Family number: 28619081 (US5014377A)

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Title: PILLOW

Abstract: An anti-snoring pillow which reduces the snoring by the user when sleeping by positioning the head of the user such that the degree of blockage in the user's breathing passageway is reduced. The anti-snoring pillow includes a base member which is preferably inclined and has a curved front edge which is lower in height than the rear edge. The upper surface of the base member adjacent the front edge has an elongated bolster secured thereto, which bolster is curved along its length to conform to the curved shape of the front edge of the base member. The bolster also includes a curved peripheral cross-sectional area for comfortable support of a user's neck. The bolster and the base member, and the choice of materials therefor act in conjunction to ensure comfort and also the positioning of a user's head so as to decrease the blockage of the user's breathing passageway when the user is in a back or in a side sleeping position.

Classifications:

International (IPC 8-9): A47C20/00 A47C20/02 A47G9/00 A47G9/10

A61F5/56 (Advanced/Invention);

A47C20/00 A47G9/00 A61F5/56 (Core/Invention)

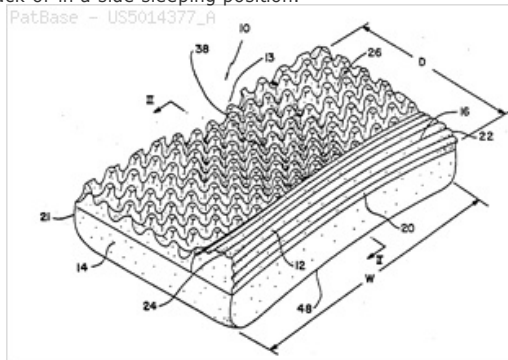
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A47G9/00 A61F5/56

CPC: A47G2009/1018 A61F5/56 A47G9/109

European: A47G9/10 A61F5/56

US: 5/434 5/446 5/636 5/901



Family:

Publication number	Publication date	Application number	Application date
AT116120 E	19950115	AT19890905937T	19890502
CA1333729 A1	19941227	CA19890598788	19890505
CA1338114 A1	19960305	CA19940616893	19940719
CA1338114 A2	19960305	CA19890616893	19890505
DE0404843 T1	19910905	DE19890905937T	19890502
DE68920314 D1	19950209	DE19896020314	19890502
DE68920314 D1	19950209	DE19896020314T	19890502
DE68920314 T2	19950824	DE19896020314T	19890502
EP0404843 A1	19910102	EP19890905937	19890502
EP0404843 A4	19911113	EP19890905937	19890502
EP0404843 B1	19941228	EP19890905937	19890502
ES2013492 AF	19900501	ES19890001566	19890505
GR1000861 B	19930217	GR19890100307	19890508
GR890100307 A	19900312	GR19890100307	19890508
HK1005423 A1	19990108	HK19980104605	19980528
JP1882614 C3	19941110	JP19890505956	19890502
JP2501808 T2	19900621	JP19890505956T	19890502

JP6007844 B4	19940202	JP19890505956T	19890502
KR19900700045 A	19900811	KR19890702516	19891230
KR19907000045 A	19900811	KR19897002516	19880902
KR930000857 B1	19930208	KR19890702516	19890502
KR930000857 B1	19930208	KR19890072516	19891230
KR930000857 B1	19930208	KR19890702516	19891230
KR930000857 B1	19930208	KR19890072516	19891230
US5014377 A	19910514	US19900542810	19900622
US5123132 A	19920623	US19900626695	19901213
WO8910714 A1	19891116	WO1989US01873	19890502

Priority:

US19880190847 19880506 WO1989US01873 19880902 WO1989US01873 19890502
CA19890598788 19890505 CA19890616893 19890505 US19900542810 19900622
US19900626695 19901213 CA19940616893 19940719

Probable Assignee: CARPENTER CO

Assignee(s): (std): CARPENTER CO ; CARPENTER E R CO INC ; DIXON LINDA H ; E R CARPENTER CO INC ; ER CARPENTER CO INC ; CARPENTER E R CO

Assignee(s): II AARU KAAPENTAA CO INC ; ER CARPENTER CO ; E R CARPENTER CO ; CARPENTER CO RICHMOND VA US ; E R CARPENTER COMPANY INC ; E R CARPENTER CO INC RICHMOND VA US ; LINDA H DIXON

Inventor(s): (std): DIXON LINDA H ; LINDA H DIXON ; DIXON H LINDA ; DIXON LINDA

Inventor(s): DIXON H ; DIXON H LINDA ROSS CA 94957 US ; DEIKUSON RINDA ETSUCHI ; DIXON LINDA H ROSS CA 94957 US

Agent(s): GOWLING LAFLEUR HENDERSON LLP

Designated states: AT BE CH DE FR GB IT JP KR LI LU NL SE US

4) Family number: 3830254 (US4726087A)

© PatBase

Title: CONTOURED-HEAD AND NECK FOAM PILLOW

Abstract: A foam pillow has two main support surfaces on opposing sides thereof. One surface includes convolutions defining a relatively flat profile and the other surface includes longitudinal ribs of arcuate cross-section, which define a curved profile having at least two prominent lobes of differing heights and a central trough. The pillow is particularly adapted for support of a person's head in the trough, with the user's neck received on one of the lobes. Reversal of the lobes permits variation in the amount of neck support. The ribs comprise spherical ridges and have circular channels separating their bases to provide a heat and moisture dissipation function. The curved support surface may include cross-hatching at various intervals to provide extra dispersion of pressure.

Classifications:

International (IPC 8-9): A47G9/00 A47G9/10 (Advanced/Invention); A47G9/00 (Core/Invention)

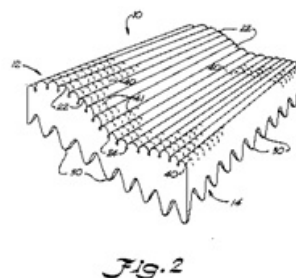
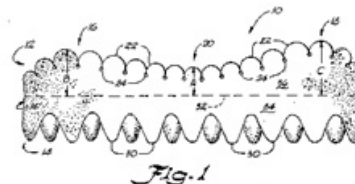
International (IPC 1-7): A47C20/00 A47G9/00

CPC: Y10S5/944 A47G9/1081 A47G2009/1018

European: A47G9/10

US: 5/434 5/435 5/446 5/464 5/481 5/636 5/944

PatBase - US4726087_A
U.S. Patent Feb. 23, 1988 Sheet 1 of 2 4,726,087



Family:

Publication number	Publication date	Application number	Application date
CA1295430 A1	19920204	CA19870545126	19870821
DE3770546 D1	19910711	DE19873770546	19870820
DE3770546 D1	19910711	DE19873770546T	19870820
EP0257982 A1	19880302	EP19870307361	19870820
EP0257982 B1	19910605	EP19870307361	19870820
US4726087 A	19880223	US19860899535	19860822

Priority:

US19860899535 19860822 CA19870545126 19870821

Probable Assignee: SPAN AMERICA MEDICAL SYST

Assignee(s): (std): SPAN AMERICA MEDICAL SYST ; SPAN AMERICA MEDICAL SYSTEMS I

Assignee(s): SPAN AMERICA MEDICAL SYSTEMS INC ; SPAN AMERICA MEDICAL SYSTEMS INC GREENVILLE S C US ; LUKE J KENNETH ; SCHAEFER DANIEL J

Inventor(s): (std): LUKE JOHN K ; LUKE JOHN KENNETH ; SCHAEFER DANIEL J ; LUKE J KENNETH

Inventor(s): LUKE JOHN KENNETH GREER SOUTH CAROLINA 29651 US ; SCHAEFER DANIEL J GREENVILLE SOUTH CAROLINA 29609

Agent(s): GOWLING LAFLEUR HENDERSON LLP

Designated states: BE CH DE GB LI SE

5) Family number: 49900090 (US2011271421A)

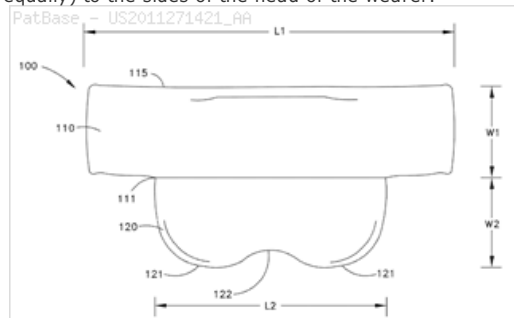
© PatBase

Title: HEAD AND NECK STABILIZER FOR TRAVEL

Abstract: A head and neck support device includes first and second head support members that may be positioned in complimentary opposing locations to a rear area of the head. Each head support member comprises a substantially rectangular shaped pillow that may be affixed to headwear (e.g., hat) or a headband. The first and second head support members are configured to complementarily support and distribute a weight of the head to substantially bypass a neck or the wearer and effectuate translation of the forces of gravity (somewhat equally) to the sides of the head of the wearer.

Classifications:

International (ipc 8-9): A42B1/04 A42B1/18 A42B1/24
A47C20/00 (Advanced/Invention)
CPC: A42B1/04 A42B1/061 A47C7/383
European: A42B1/06B A47C7/38A
US: 2/173 2/173P 2/209.13 2/209.130S 2/209.3 3/636 3/640



Family:

Publication number	Publication date	Application number	Application date
US2011271421 AA	20111110	US20110102033	20110505
US2014215688 AA	20140807	US20140249940	20140410
US8726419 BB	20140520	US20110102033	20110505

Priority:

US20100331487P 20100505 US20110442042P 20110211 US20110102033 20110505
US20140249940 20140410

Probable Assignee:

Assignee(s): (std): VAHEY MICHAEL
Inventor(s): (std): VAHEY MICHAEL
Agent(s): BRIAN J

6) Family number: 74022913 (US2019110617A)

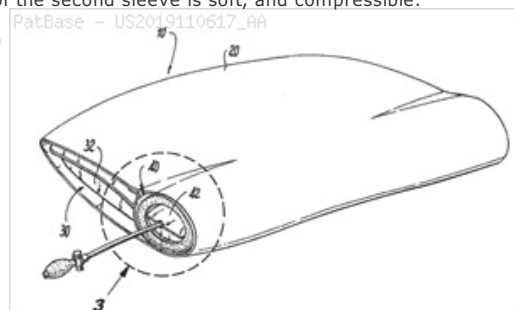
© PatBase

Title: PILLOW WITH ADJUSTABLE SLEEVE FOR INFLATABLE AIR BLADDER

Abstract: A support pillow has a pillow-fill unit comprising pillow fill material, a neck support unit comprising an inflatable air bladder and a pillow case having a first sleeve for receiving the pillow-fill unit and a second sleeve for receiving the cervical or neck support unit. The second sleeve of the pillow case includes padding on an inner sleeve surface. The inflatable air bladder includes a valve that operates in a first state to allow an input of pressurized air and in a second state to allow an exit of bladder-stored air. Adding air to the inflatable air bladder, in the first state, increases a size of and pressure in the inflatable air bladder. Also, the padding on the inner sleeve surface of the second sleeve is soft, and compressible.

Classifications:

International (ipc 8-9): A47C20/00 A47C20/02 A47G9/02 A47G9/10
A61H1/00 (Advanced/Invention)
CPC: A47G9/1027 A47G9/1081 A47G9/0253 A47G2009/1018
A47C20/021 A47C20/027 A47G2009/003 A47C7/383
US: 1/1



Family:

Publication number	Publication date	Application number	Application date
US2019110617 AA	20190418	US20170783758	20171013
US2019320828 AA	20191024	US20190503049	20190703

Priority:

US20170783758 20171013 US20190503049 20190703

Probable Assignee:

Assignee(s): (std): BERNEY ROBERT ; MIKELL EDWARD

7) Family number: 64694366 (US2017013978A)

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Title: ORTHOPEDIC PILLOWS FOR SUPINE SLEEPERS

Abstract: Embodiments of an orthopedic pillow are provided for supporting the head of a sleeper in a supine position. In one embodiment, the orthopedic pillow includes a base having a centerline, a primary head support surface provided on the base, and laterally-opposed side rails extending upwardly from the base and flanking the primary head support surface. The laterally-opposed side rails include, in turn, interior portions and reinforcement portions. The interior portions are located adjacent the primary head support surface and each formed from a first material having a first stiffness, such as a molded foam having a first density. The reinforcement portions are located outboard of the interior portions, as taken along a lateral axis perpendicular to the centerline. The reinforcement portions formed from a second material having a second stiffness greater than the first stiffness, such as a molded foam having a second density greater than the density.

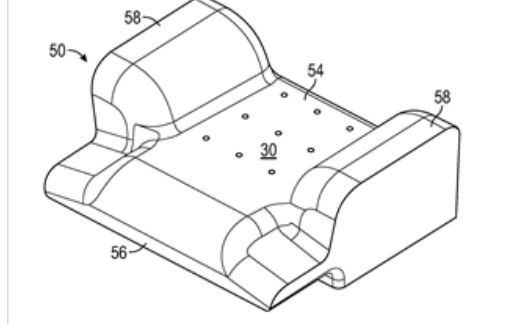
Classifications:

International (IPC 8-9): A47C20/00 A47G9/10 (Advanced/Invention);
A47C7/02 B60N2/64 (Advanced/Non-invention)

CPC: A47G9/1081 A47G2009/1018 A47C7/021 B60N2/64

US: 1/1 5/643

PatBase - US2017013978 AA

**Family:**

Publication number	Publication date	Application number	Application date
US2017013978 AA	20170119	US20160210888	20160715
US10575665 BB	20200303	US20160210888	20160715

Priority:

US20150192984P 20150715 US20160210888 20160715

Probable Assignee: POMAX LLC

Assignee(s): (std): LEACH JUSTIN JAMES ; ROSENBERG MAXWELL PENDELTON ; POMAX LLC

Inventor(s): (std): ROSENBERG MAXWELL PENDELTON ; LEACH JUSTIN JAMES

8) Family number: 2775784 (US4788728A)

© PatBase

Title: Contoured pillow with central aperture

Abstract: A generally rectangular pillow (2, 2', 2'') has a rounded forward neck support portion (10, 10''), a rear head support portion (12, 12', 12''), side portions (24), and a bottom portion (26, 26''). An oblong hollow (30) is formed in the top surface (6) of the pillow body (2, 2', 2''). The hollow (30) accommodates the lower portion of the face of a user lying in a side position to prevent pressure on the face. A projection (42, 42'') extends forwardly from rear portion (12, 12', 12'') into hollow (30). In use, the rear portion (12, 12', 12'') has a central depression for the top of the user's head. The depression is formed by contouring the top surface of the rear portion (12, 12') or by reducing the density at the center of the rear portion (12''), such as by forming an internal cavity (44). A pillowcase (50) has central edges (56, 58) that are fastened to bottom portion (26) to leave hollow (30) unobstructed. Another pillowcase (80) has two top pieces (82, 84) with curved laterally extending edges (86) that are sewn together and cause the top of the pillowcase (80) to drape down into the hollow (30).

Classifications:

International (IPC 8-9): A47G9/00 A47G9/10 (Advanced/Invention);
A47G9/00 (Advanced/Non-invention);
A47G9/00 (Core/Invention)

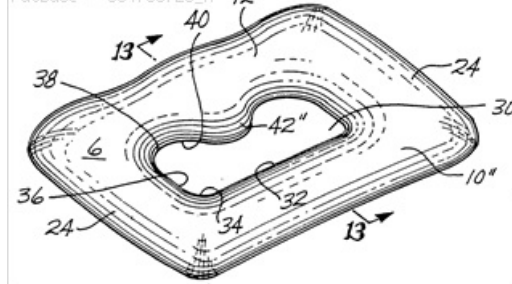
International (IPC 1-7): A47C20/00 A47C20/02 A47G9/00

CPC: A47G9/10

European: A47G9/10

US: 5/434 5/436 5/490 5/636 D6/601

PatBase - US4788728 A

**Family:**

Publication number	Publication date	Application number	Application date
AU198778011 A1	19880224	AU19870078011	19870731
EP0319539 A1	19890614	EP19870905381	19870731
EP0319539 A4	19890725	EP19870905381	19870731
JP2500333 T2	19900208	JP19870504828T	19870731
US4788728 A	19881206	US19870054876	19870526
WO8800803 A1	19880211	WO1987US01872	19870731

Priority:

US19860892847 19860804 US19870054876 19870526 WO1987US01872 19870731

Probable Assignee: LAKE K L

Assignee(s): (std): LAKE K L ; LAKE KERRY L

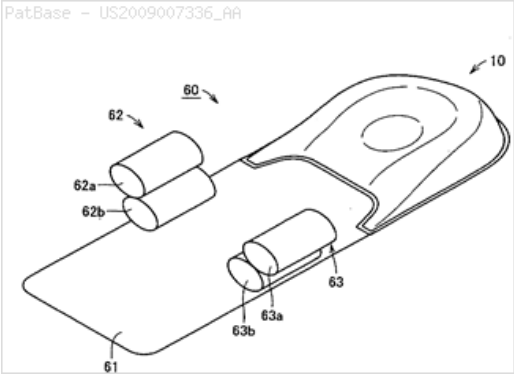
Assignee(s): LAKE KL ; LEE VEN TOW ; LEE WINIFRED H
Inventor(s): (std): LAKE KERRY L
Inventor(s): KERRY L LAKE
Agent(s): PHILLIPS ORMONDE FITZPATRICK
Designated states: AT AU BB BE BG BJ BR CF CG CH CM DE DK FI FR GA GB HU IT JP KP KR LI LK LU MC MG ML MR MW NL NO RO SD SE SN SU TD TG

9) Family number: 31766604 (US2009007336A) © PatBase

Title: BABY POSITION HOLDING STRUCTURE AND BABY PILLOW

Abstract: The present invention relates to a baby position holding structure in which a position of a baby is appropriately held so as to prevent oxygen saturation from being lowered, and a baby pillow on which an airway in a throat is not blocked. A baby position holding tool (60) comprises a mat (61) extending from right to left and up and down, and a pair of body supports (62 and 63) positioned on right and left sides of the mat so as to abut on both sides of a body of a baby laid on the mat. The body supports include lower parts (62b and 63b) supporting rear faces of the sides of the body of the baby from beneath, respectively and upper parts (62a and 63a) positioned on the lower parts so as to be shifted outward and abut on the side of the body of the baby from the side, respectively. The pillow (10) comprises a pair of head positioning parts (12) having a first height and supporting both sides of a rear part of the head of the baby from beneath, and a neck supporting part (13) having a second height lower than that of the first height and supporting a neck of the baby positioned by the pair of head positioning parts from beneath.

Classifications:
International (ipc 8-9): A47C16/00 A47C27/00 A47D13/08 A47D7/00 A47G9/00 A47G9/10 A61G7/065 (Advanced/Invention); A47G9/00 A47G9/10 (Advanced/Non-invention); A47C16/00 A47C27/00 A47D13/00 A47D7/00 A47G9/00 A61G7/05 (Core/Invention)
International (ipc 1-7): A47C27/00 A47D7/00 A47G9/10
CPC: A47D13/08 A47D15/008 A47G9/1081 A61G7/065
European: A47D13/08 A47D15/00F4 A47G9/10 A61G7/065
US: 5/655



Family:

Publication number	Publication date	Application number	Application date
AT418895 E	20090115	AT20040772158T	20040825
CN100488413 C	20090520	CN200480021804	20040825
CN1829460 A	20060906	CN200480021804	20040825
DE602004018798 D1	20090212	DE200460018798T	20040825
EP1665958 A1	20060607	EP20040772158	20040825
EP1665958 A4	20070718	EP20040772158	20040825
EP1665958 B1	20081231	EP20040772158	20040825
EP1665958 B8	20090603	EP20040772158	20040825
JP2005081039 A2	20050331	JP20030319340	20030911
JP2005110800 A2	20050428	JP20030346298	20031003
JP4299095 B2	20090722	JP20030346298	20031003
KR20060059965 A	20060602	KR20067001278	20040825
RU2006107554 A	20060727	RU20060107554	20040825
TW200513216 A	20050416	TW20040126152	20040831
US2009007336 AA	20090108	US20040572026	20040825
WO05025385 A1	20050324	WO2004JP12197	20040825

Priority:
JP20030319340 20030911 JP20030346298 20031003 WO2004JP12197 20040825

Probable Assignee: APRICA CHILDREN S PRODUCTS INC

Assignee(s): (std): TAKAHASHI FUMIKO ; SUZUKI SACHIYO ; KASSAI KENZOU ; APRICA KASSAI KK ; APRICA KASSAI INC ; GRACO CHILDRENS PROD INC ; APRICA IKUJIKENKYUKAI APRICA K
Assignee(s): APRICA CHILDREN S PRODUCTS INC ; APRICA IKUJIKENKYUKAI APRICA KASSAI K K ; GRACO CHILDREN S PRODUCTS INC ; APRICA KASSAI KABUSHIKIKAISHA ; APRICA IKUJIKENKYUKAI APRICA KASSAI KABUSHIKIKAISHA ; APRICA IKUJIKENKYUKAI APRICA KASSAI KABUSHIKIKAISH ; APRICA IKUJIKENKYUKAI APRICA K K ; APRICA IKUJIKENKYUKAI APRICA KASSAI KK ; APRICA IKUJIKENKYUKAI APRICA KASSAI ; APRICA CHILDREN'S PRODUCTS INC ; GRACO CHILDREN'S PRODUCTS INC
Inventor(s): (std): TAKASHINA FUMIKO ; SACHIYO SUZUKI ; KENZOU KASSAI ; FUMIKO TAKAHASHI ; FUMIKO KASSAI KENZOU SUZUKI SA ; TAKAHASHI FUMIKO ; SUZUKI SACHIYO ; KASSAI KENZOU ; KASAI KENZO
Inventor(s): KASSAI KENZOU SUZUKI SACHIYO TAKAHASHI FUMIKO
Agent(s): OSER ANDREAS ET AL; MORISHITA HACHIRO; YOSHIDA HIROYOSHI; ITOH HIDEHIKO; DITTHAVONG MORI AND STEINER PC
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

10) Family number: 28143661 (US2001042271A) © PatBase

Title: FILL FOR PILLOWS AND CUSHIONS

Abstract: A fill for cushions that includes a quantity of resilient beads and a quantity of gelatinous particles. The resilient beads are deformable and have shape memory. The gelatinous particles are elongatable and deformable. The gelatinous particles are tacky and tend to hold the resilient beads together in a maintainable yet deformable shape of the user's choosing.

Classifications:

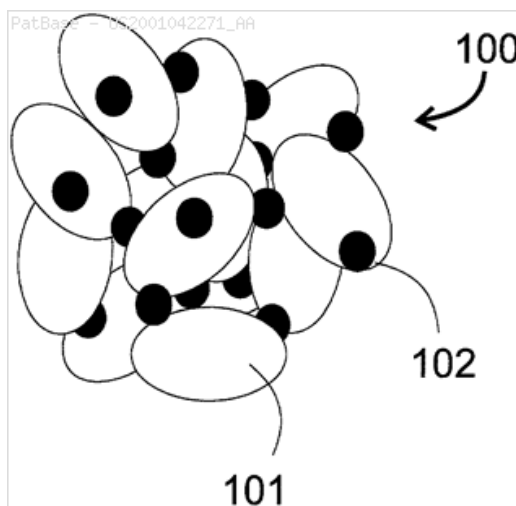
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International (IPC 1-7): A47C20/02 A47C27/08 A47C27/10 A47C27/14 A47G9/00 B68G5/00 C08J9/236

CPC: A47C3/16 A47C27/00 A47C27/081 A47G9/10 A47G2009/003 B68G1/00 B68G2001/005 A47C27/084

European: A47C20/02A A47C27/00 A47C27/08A A47C3/16 A47G9/10 B68G1/00 K47G9/00L L68G1/00P

US: 5/636 5/636S 5/644 5/644P 5/652 5/652P 521/132 521/134 521/137 521/154 521/54 521/98



Family:

Publication number	Publication date	Application number	Application date
AU2001255683 AA	20011107	AU20010255683	20010425
AU200155683 A1	20011107	AU20010055683	20010425
AU200155683 A5	20011107	AU20010055683	20010425
US2001042271 AA	20011122	US20010842437	20010425
US2002078507 AA	20020627	US20010843413	20010425
US6498198 BB	20021224	US20010842437	20010425
WO0180690 A1	20011101	WO2001US13390	20010425

Priority:

US20000199587P 20000425 US20000216021P 20000703 US20010842437 20010425
US20010843413 20010425 WO2001US13390 20010425

Probable Assignee: EDIZONE LLC

Assignee(s): (std): EDIZONE LC ; PEARCE TONY M

Assignee(s): TNT HOLDINGS LLC ; EDIZONE LLC

Inventor(s): (std): PEARCE TONY M

Inventor(s): TONY M PEARCE

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

11) Family number: 10293575 (US4768246A)

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Title: APERTURED ORTHOPEDIC HEAD PILLOW

Abstract: In an orthopedic pillow in accordance with the present invention comprises a unitary body of foam or other resilient material with a deep generally hemispherical depression or aperture. The aperture receives the back of a user's head in such a manner that a portion of the weight of the head is supported directly by a mattress or the like beneath the pillow while the rest of the weight of the user's head is supported by the surrounding portion of the pillow. This design allows the user's head to rest generally on the same horizontal surface on which the remainder of the user's body rests. As a result, the head can shift backwardly into an ideal postural position in relation to the long axis of the user's body. In addition to holding the head, the pillow cushions the head by distributing its weight over a wide area. Also, the aperture is eccentrically positioned in the body to provide different distances between the edge of the body and the aperture. By orienting the pillow appropriately, it can be positioned to fit users with different neck lengths. Also, in one form of the invention, the size of the aperture is adjustable to fit various sized heads.

Classifications:

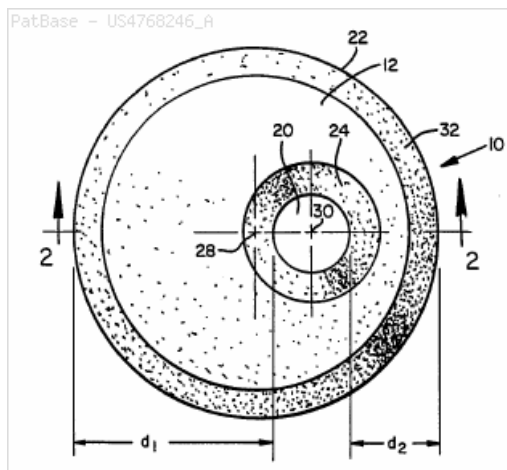
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International (IPC 1-7): A47C20/02

CPC: A47G9/10 A47G2009/1018 Y10S5/922

European: A47C20/02A A47C21/00F A47G9/10

US: 5/434 5/436 5/437 5/636 5/637 5/640 5/922

**Family:**

Publication number	Publication date	Application number	Application date
US4768246 A	19880906	US19870064230	19870617
US5025518 A	19910625	US19890404229	19890906

Priority:

US19870064230 19870617 US19880271107 19881104 US19890404229 19890906

Probable Assignee:

SUMMER JOHN D

Assignee(s): (std):

SUMMER JOHN D

Inventor(s): (std):

SUMMER JOHN D

12) Family number: 28109172 (US2001018777A)

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Title: ORTHOPEDIC HEAD AND NECK SUPPORT PILLOW THAT REQUIRES NO BREAK-IN PERIOD

Abstract: An orthopedic pillow that comprises several components of varying densities, which in combination provide improved and more immediate comfortable support for the head and neck region, while enhancing the multi-alignment features for the spine, head, and neck of a user in back-lying and side-lying body positions, and do not require the user to endure a break-in period to allow the pillow to conform to the shape of the user's head. The pillow comprises a firm core comprising a first and second lengthwise edge, a top surface, and a bottom surface; a recess located on the top surface of the core; a layer of soft, viscoelastic foam located within the recess; a layer of soft, Dacron fiber located along a top surface of the layer of foam; and a soft, C-shaped layer of viscoelastic foam wrapped around the core, whereby the C-shaped layer of foam covers the first lengthwise edge of the core, the bottom surface of the core, and the second lengthwise edge of the core.

Classifications:

International (IPC 8-9): A47G9/10 (Advanced/Invention);

A47G9/00 (Advanced/Non-invention);

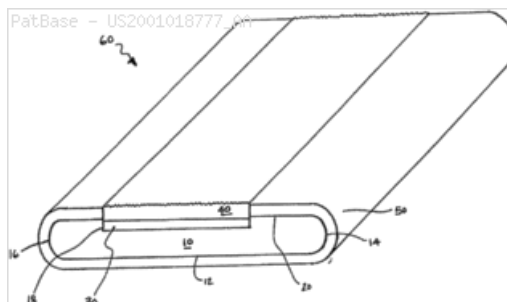
A47G9/00 (Core/Invention)

International (IPC 1-7): A47C20/02 A47G9/02 A47G9/10 A47G9/14

CPC: A47G9/10 A47G2009/003

European: A47G9/10 K47G9/00L

US: 5/636 5/640 5/643 5/644 5/645

**Family:**

Publication number	Publication date	Application number	Application date
US2001018777 AA	20010906	US20010778018	20010205
US6182312 BA	20010206	US20000496834	20000202
US6182312 BB	20010206	US20000496834	20000202
US6317908 BA	20011120	US20000606843	20000628
US6408467 BA	20020625	US20010778018	20010205
US6408467 BB	20020625	US20010778018	20010205
WO0156432 A2	20010809	WO2001US03516	20010202
WO0156432 A3	20020117	WO2001US03516	20010202

Priority:

US20000496834 20000202 US20000606843 20000628 US20010778018 20010205

Probable Assignee: JOBRI LLC

Assignee(s): (std): WALPIN LIONEL A

Assignee(s): ROLOKE CO LLC ; JOBRI LLC

Inventor(s): (std): WALPIN LIONEL A

Inventor(s): LIONEL A WALPIN

Agent(s): LYON AND LYON LLP

Designated states: AT BE CA CH CN CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE SG TR

Title: UPRIGHT SLEEP SYSTEM

Abstract: An upright sleep system includes a base pillow and a top pillow. The base pillow includes a tapered shape, including a top edge having a top edge thickness and a bottom edge having a bottom edge thickness less than the top edge thickness. A user may rest his or her head against the top pillow or base during use, and the base pillow supports both the top pillow and the user's torso and arms. By utilizing the upright sleep system the users head, neck, chin, torso and arms can be supported. The base pillow and tether provide a stable support for the top pillow to prevent the top pillow from becoming dislodged while the user rests. A base passage in the base pillow is shaped to receive a user's arm or arms to further enhance comfort and support. In some embodiments, the base and top pillow include an inflatable chamber.

Classifications:

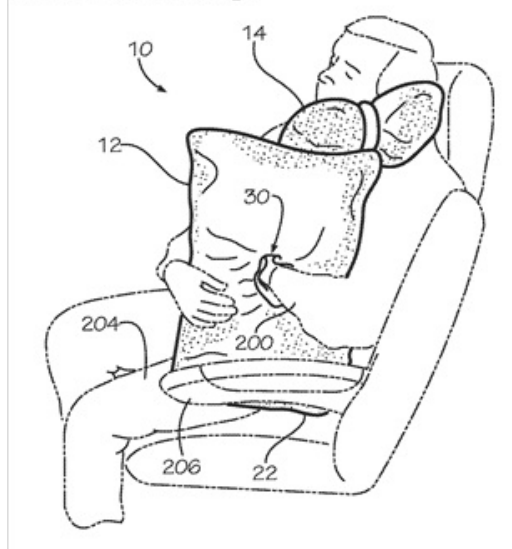
International (IPC 8-9): A47C20/00 A47C20/08 A47C27/08

A47C7/38 A47G9/00 A47G9/10 (Advanced/Invention)

CPC: A47G9/1027 A47C7/38 A47G9/1063 A47C7/383 A47G9/1072

US: 1/1 5/632

PatBase - US2018228306_AH



Family:

Publication number	Publication date	Application number	Application date
US2018228306 AA	20180816	US20180955217	20180417
US9943179 BA	20180417	US20160378344	20161214
WO18112277 A1	20180621	WO2017US66540	20171214

Priority:

US20160378344 20161214 US20180955217 20180417

Probable Assignee: SNOOZEWELL LLC

Assignee(s): (std): SNOOZEWELL LLC

Inventor(s): (std): MAY CHRISTOPHER MILLER HOWARD ; MAY JULIE ANNA ; MAY JULIE A ; MAY CHRISTOPHER

Agent(s): MATTHEW C ; WALLER LANSDEN DORTCH AND DAVIS LLP; COX MATTHEW

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: Orthopedic pillow

Abstract: An orthopedic pillow for helping to correct and helping to prevent hyperkyphosis and rigidity of the thoracic spine and for returning the normal lordotic cervical curve comprises a base panel having a first end portion, a second end portion, a left top surface segment extending between the first end portion and the second end portion, and a right top surface segment extending between the first end portion and the second end portion, a first crown for supporting the thoracic spine, the first crown being formed on the first end portion of the base panel, extending toward the second end portion of the base panel, and dividing at least partially the left top surface segment from the right top surface segment, and a transition ramp formed in the first end portion of the first crown for supporting the spine just under and below the shoulder blades of a reclining person. Other embodiments of the invention include a cylindrical pillow having a transition ramp, a removable pillow apparatus for supporting the neck of a person sitting in a bucket seat of a car, and a chair having a pillow having a substantially semi-cylindrical shape with a center axis that extends between its upper end portion and its lower end portion.

Classifications:

International (IPC 8-9): A47C16/00 A47C7/38 A47G9/10

A61F5/01 (Advanced/Invention);

A47G9/00 (Advanced/Non-invention)

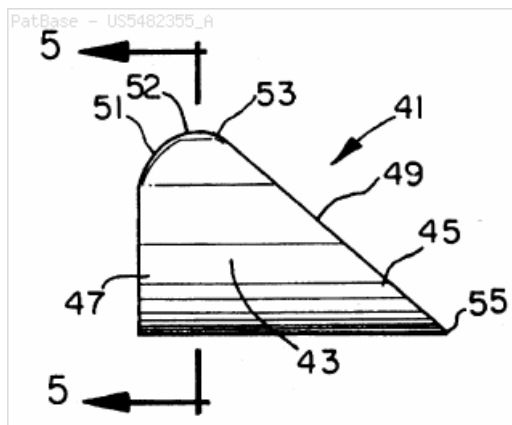
International (IPC 1-7): A47C7/38 A47C7/40 A47G9/00 A61G7/07

CPC: A47C7/383 A47G9/10 A47G2009/003 A61F5/01 Y10S297/06

European: A47C7/38A A47G9/10 A61F5/01 K47G9/00L

US: 128/845 297/284.1 297/284.5 297/391 297/397 297/410

297/452.33 297/DIG.6 5/630 5/632 606/240



Family:

Publication number	Publication date	Application number	Application date
US5482355 A	19960109	US19930044951	19930409
US5630239 A	19970520	US19950466204	19950606
US5685613 A	19971111	US19960584037	19960111

Priority:

US19930044951 19930409 US19950466204 19950606 US19960584037 19960111

Probable Assignee: FRANZEN JR PAUL W

Assignee(s): FRANZEN JR PAUL W

Inventor(s): (std): FRANZEN JR PAUL W

15) Family number: 52865973 (US2014283305A)

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Title: PILLOW AND MATTRESS PAD SYSTEM WITH VARIABLE ZONES OF ELASTICITY

Abstract: A pillow, mattress pad, mattress pad and pillow system, and mattress are provided having a plurality of zones for providing a selected distribution of pressure across different parts of a sleeper's body. The pillow has a first zone of elasticity for supporting the head of a sleeper and an integral second zone of elasticity for supporting the neck and upper thoracic spine, said pillow comprising a firm high resistance foam lower portion and a viscoelastic foam upper portion matingly contoured to the lower portion and internally sealed to the lower portion along a surface of predetermined curvature.

Classifications:

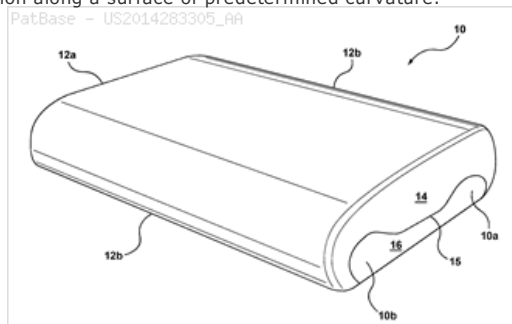
International (IPC 8-9): A47C27/14 A47C27/15

A47G9/10 (Advanced/Invention)

CPC: A47G9/10 A47C27/142 A47G2009/1018 A47C27/15

A47C27/148 A47G9/1081 A47C27/144

US: 264/46.6 5/636 5/648 5/690 5/722 5/731



Family:

Publication number	Publication date	Application number	Application date
CA2879211 AA	20150115	CA20122879211	20120713
US2014283305 AA	20140925	US20120233057	20120713
WO13010273 A1	20130124	WO2012CA50484	20120713

Priority:

US20110508274P 20110715 US20110542458P 20111003 WO2012CA50484 20120713
US20120233057 20120713

Probable Assignee: ZYSMAN SIMON

Assignee(s): (std): ZYSMAN SIMON

Inventor(s): (std): ZYSMAN SIMON

Agent(s): RIDOUT AND MAYBEE LLP

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

16) Family number: 32317326 (US2005229314A)

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Title: STOMACH SLEEPER

Abstract: A sleeper-support device designed to minimize cervical rotation with respect to the torso for a person lying prone. The device includes a wedge-shaped head support that maintains the head in repose at an intermediate orientation between

zero rotation and the traditional 90-degree rotation typical of the prone sleeper. The device also includes a wedge-shaped torso piece that constrains the torso from rotating in the direction that would increase the angle between the head and neck (the head-turn angle). The support this device provides prone sleepers allows them to sleep comfortably without incurring the back and cervical stress and strain commonly associated with sleeping in the prone position.

Classifications:

International (IPC 8-9): A47C20/00 A47C20/02 A47C20/08 A47G9/00 A47G9/10 A61G7/07 (Advanced/Invention);

A47C20/00 A47G9/00 A61G7/05 (Core/Invention)

International (IPC 1-7): A47C20/00 A47G9/00

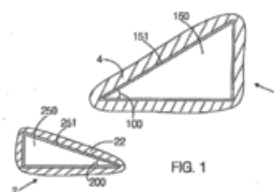
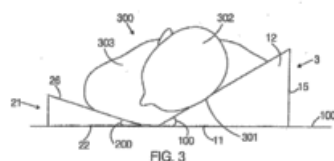
CPC: A47C20/026 A47G9/10 A61G7/07

European: A47C20/02A12 A47C20/02J A47G9/10 A61G7/07

US: 5/630 5/632 56/30 56/32

PatBase - US2005229314_AA

Patent Application Publication Oct. 20, 2005 Sheet 1 of 2 US 2005/0229314 A1



Family:

Publication number	Publication date	Application number	Application date
US2005229314 AA	20051020	US20040693336	20040419
US7017213 BB	20060328	US20040693336	20040419

Priority:

US20040693336 20040419

Probable Assignee: CHISARI JOSEPH

Assignee(s): (std): CHISARI JOSEPH

Inventor(s): (std): CHISARI JOSEPH

Agent(s): BOHAN MATHERS AND ASSOCIATES LLC; THOMAS L; PATRICIA M

17) Family number: 57084653 (US2014208515A)

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Title: ANTI-SNORING PILLOW

Abstract: A pillow for supporting a head and neck of a reclining body on a mattress where the pillow has a pillow length, a pillow width and a pillow thickness comprising a core having core variable displacement parameters along the pillow length and the pillow width in the direction of the pillow thickness for supporting the head in a non-distorting aligned position and a plurality of removable spacers for adjusting the height of the core including core spacers and neck spacers.

Classifications:

International (IPC 8-9): A47C27/00 A47C27/14 A47C27/15

A47C31/00 A47G9/10 (Advanced/Invention);

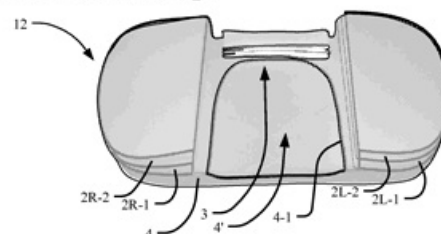
A47C31/00 (Advanced/Non-invention)

CPC: A47G9/1081 A47G2009/003 A61F5/56 A61G13/1245

A47C27/148 A47C27/15 A47C31/001 A47G9/109

US: 1/1 5/640 5/727

PatBase - US2014208515_AA



Family:

Publication number	Publication date	Application number	Application date
AU2016366778 AA	20180802	AU20160366778	20161212
CA3011567 AA	20180716	CA20163011567	20161212
CN109068858 A	20181221	CN201680081636	20161212
EP3386349 A1	20181017	EP20160874048	20161212
EP3386349 A4	20190522	EP20160874048	20161212
EP3386349 B1	20200715	EP20160874048	20161212
US2014208515 AA	20140731	US20140164272	20140127
US2016296031 AA	20161013	US20160183714	20160615
US2017164761 AA	20170615	US20150967269	20151212
US10709256 BB	20200714	US20150967269	20151212
WO17100766 A1	20170615	WO2016US66166	20161212

Priority:

US20130757705P 20130128 US20140164272 20140127 US20150180062P 20150616
US20150967269 20151212 US20160183714 20160615 WO2016US66166 20161212

Probable Assignee: LEVEL SLEEP LLC

Assignee(s): (std): LEVEL SLEEP LLC ; SRAMEK ROGER ANTON

Inventor(s): (std): SRAMEK ROGER ANTON

Agent(s): BAXTER PATENT ATTORNEYS PTY LTD; MILTONS IP PI; BECK GREENER; BECK GREENER LLP; ADLER BENJAMIN AARON

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

18) Family number: 28018769 (US2003014818A)

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Title: ORTHOPEDIC BODY SEGMENT SUPPORT

Abstract: A pillow (or several pillows depending upon need/size configuration) having unique shapes for placing between an individual's back, head, backside, legs, arms (or any combination thereof) and the floor, ground, bed, table or other surface to provide anatomical support as opposed to simply providing cushioning between the body on the underlying surface. When the individual is lying on his or her back, the pillow provides for proper alignment of the body to relieve pressure on joints, nerves, muscles and skin. Its unique posturing permits the body to relax and rest more comfortably and also potentially increase blood flow and nerve transmission throughout the body or through specific areas of the body. It is beneficial to those who suffer from a variety of shoulder, neck, back, hip, and other problems, arthritis and sports related injuries and fatigue in addition to those who are convalescent, bedridden, computer operators (or other jobs with periodic sitting), overhead throwers, data entry personnel and anyone who uses their shoulder, back, neck, hips and arms for an extended period of time.

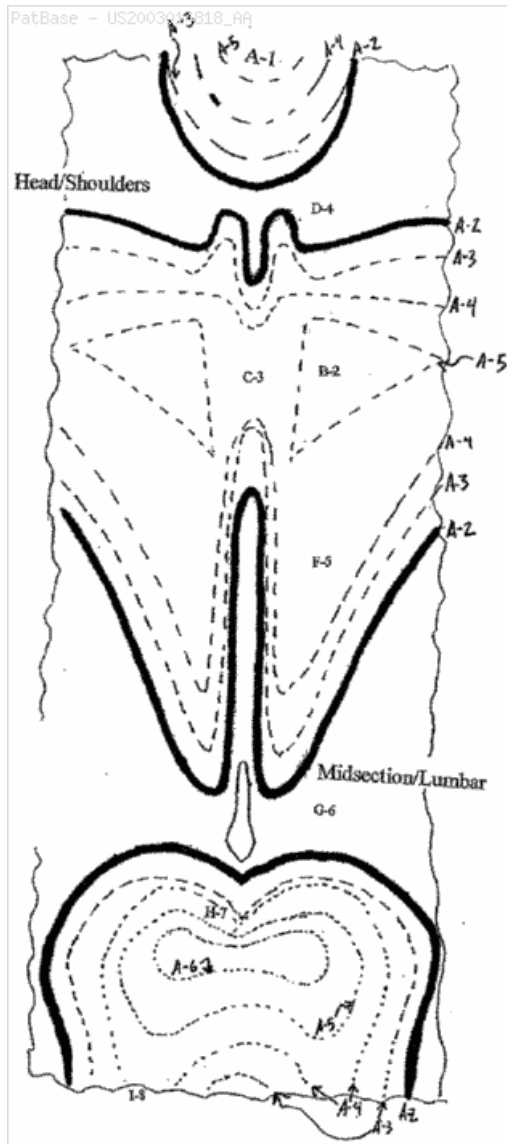
Classifications:

International (IPC 8-9): A47C20/00 A47C20/02 (Advanced/Invention); A47C20/00 (Core/Invention)

International (IPC 1-7): A47C20/00 A47C27/00 A47G9/00 A61F5/00
CPC: A47C20/021 A47C20/023 A47C20/027

European: A47C20/02A A47C20/02A8 A47C20/02D A47C20/02F A47C20/02L

US: 5/632 5/646 5/648 5/731 5/734



Family:

Publication number	Publication date	Application number	Application date
US2003014818 AA	20030123	US20020178037	20020909
US2003014820 AA	20030123	US20020078586	20020220
US6691353 BB	20040217	US20020078586	20020220
US6810543 BB	20041102	US20020178037	20020909

Priority:

US20010306526P 20010720

US20020078586 20020220

US20020178037 20020909

Probable Assignee:

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FUHRIMAN RICHARD APOLLO

Inventor(s): (std):

FUHRIMAN RICHARD APOLLO

Inventor(s):

RICHARD APOLLO FUHRIMAN