



New connection on: : 21-02-2018 : 01:06:36 - Last disconnection on: : 20-02-2018 : 23:54:03

V 4.0.0.44358(LP,U,linux) (Rev:43856 2017-04-27 09:03:29 +0200#(D201802)) (RPM D201802)

Welcome to EPOQUE Rebuild under the Production Environment

[EPODOC: SS 45] ..fi epodoc

 Database: EPODOC

[EPODOC: SS 45] (panel o glass or window) and (armo[u,]red or ballistic)

Results in EPODOC 386

EPODOC: term 'PANEL O GLASS' not found in index 'BI'. WARNING(1)

[SS 46] (panel or glass or window) and (armo[u,]red or ballistic)

Results in EPODOC 2.427

[SS 47] * and PD<2013-12-31

Results in EPODOC 1.750

[SS 48] * and ((hook and loop) or (cam 1d lever))

Results in EPODOC 10

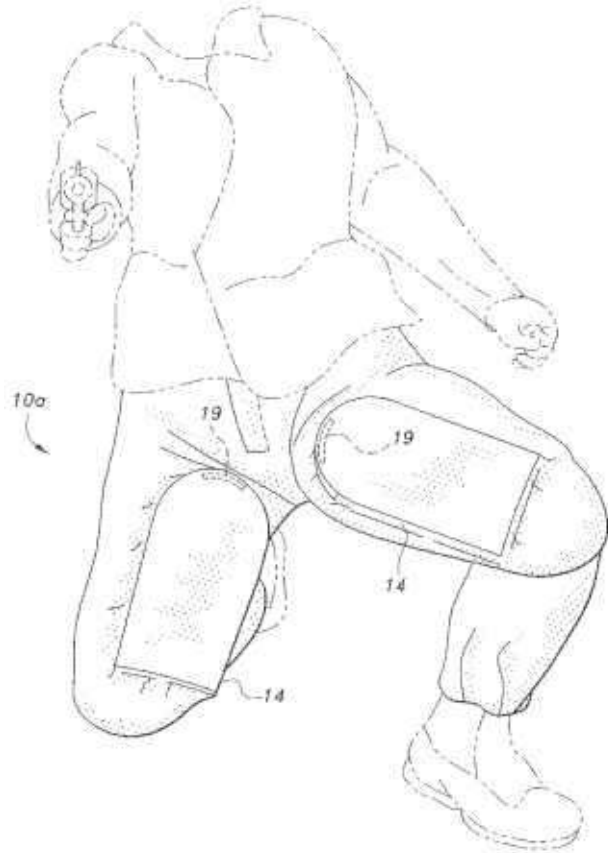
[SS 49] ..v

[EPODOC: SS 49] ..li



1/10 © EPODOC / EPO

PN - [US2012304354](#) A1 20121206
 PR - US201113149509 20110531
 AP - US201113149509 20110531
 DT - *
 CCI - [A41D13/0543](#) ; [F41H1/02](#)
 PA - FEARON WILLIAM G [US]
 TI - PANTS WITH **BALLISTIC PANEL**
 SHIELDS
 AB - The pants with **ballistic panel**
 shields includes a pair of short
 or long pants with pockets
 located along the inseam over
 the anterior and medial aspects
 of the pant legs. The pockets are
 preferably shaped like an
 inverted U, and are secured at
 the top, arcuate portion by **hook**
 and **loop** fastening material or
 other appropriate fasteners.
 A **ballistic panel** is inserted into
 each pocket to protect the upper
 thigh and femoral arteries from
 penetration by bullets or other
 offensive weapons or devices.



PN - [US2012132066](#) A1 20120531

PR - US20100930061
20101223; US20100927975
20101130

AP - US20100930061 20101223

DT - *; Rep

CT - || R141 (A1)
[US5060314](#) A [];
[US5991925](#) A [];
[US7243376](#) B2 [];
[US7266850](#) B1 [];
[US2009282595](#) A1 [];
[US2008149679](#) A1 []

CCI - [F41H1/02](#)

PA - SEUK JO WON [US]

TI - Body armor **ballistic** plate carrier

AB - The present plate carrier includes front and rear **panel** sections with internal pockets for supporting **ballistic** plates and inserts, but positions the rear **panel** section to provide improved thoracic protection. The front and rear **panel** sections are suspended by shoulder straps, which connect to the rear **panel** section at a mid point below the top edge of the rear **panel** section. The mid point connection of the shoulder straps causes the rear **panel** section to ride higher than the front **panel** section and higher on the wearer's back thereby positioning the **ballistic** plate inside high on the wearer's back and providing better **ballistic** coverage of the wearer's upper thoracic area. One of the internal pockets of each **panel** section has facing strips of **hook** and **loop** material sewn around its inner periphery that adhere together around a **ballistic** plate to center and hold the plate in place within the pocket. The plate carrier has removable side

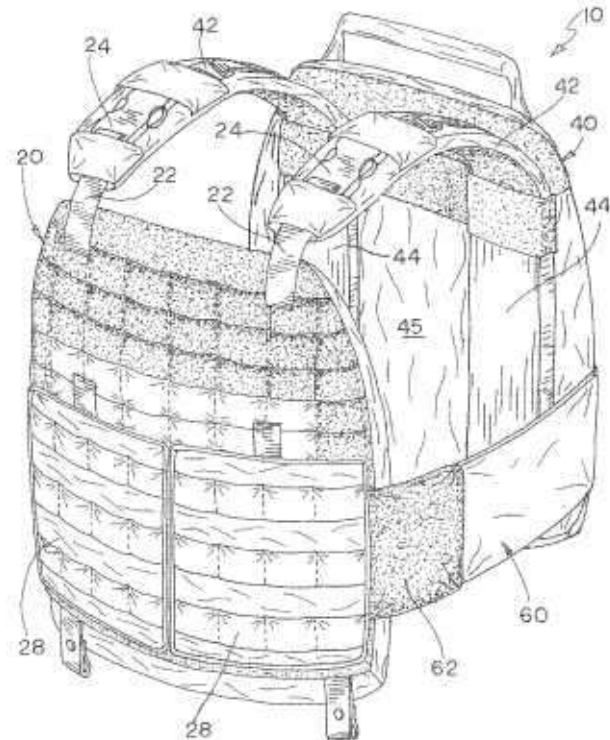
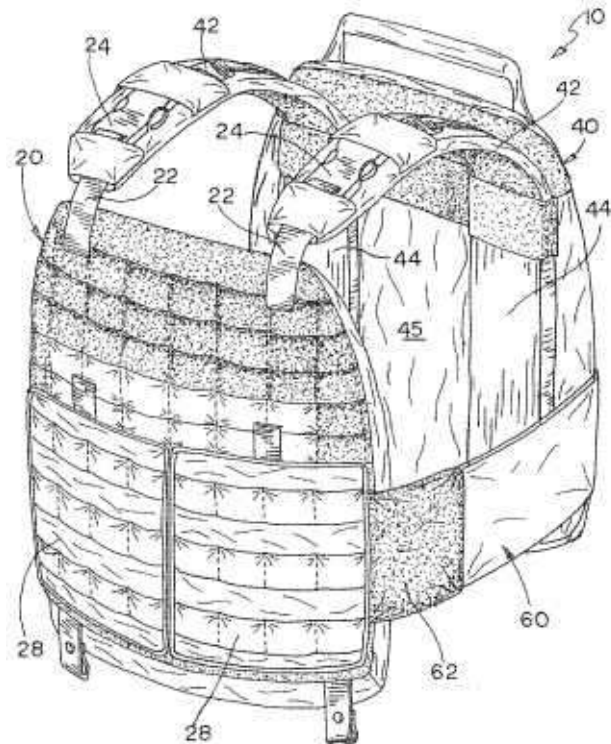


plate pockets mounted to a detachable cummerbund by **hook** and **loop** fasteners allowing the **ballistic** plates to be properly positioned on the cummerbund.

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- PN - [US2012132065](#) A1 20120531
- PNFP - US9222757 B2 20151229
- PR - US20100927975 20101130
- AP - US20100927975 20101130
- DT - *; Rep
- CT - || STSE (B2)
- [US1887473](#) A 19321108 [] (WARNER GLENN S)
- [US3452362](#) A 19690701 [] (US ARMY)
- [US3891996](#) A 19750701 [] (BURLINGTON INDUSTRIES INC)
- [US3958276](#) A 19760525 [] (CLAUSEN CAROL W)
- [US5022092](#) A 19910611 [] (C P COMPANY S P A [IT])
- [US5060314](#) A 19911029 [] (US NAVY[US])
- [US5431318](#) A 19950711 [] (GARCIA RANDY A [US])
- [US5606744](#) A 19970304 [] (LINDY ELAINE [US])
- [US5799851](#) A 19980901 [] (EAGLE CREEK INC [US])
- [US2005010987](#) A1 20050120 [] (CRYE CALEB CLARK [US], et al)
- [US2009209894](#) A1 20090820 [] (MCALLISTER WESLEY J [US])
- [US2009282595](#) A1 20091119 [] (UNIV OKLAHOMA STATE [US])
- [US2010088799](#) A1 20100415 [] (ARCHANGEL ARMOR LLC [US])
- [US2010205718](#) A1 20100819 [] (EASTEP NANCY LYNN [US])
- [US2013042376](#) A1 20130221 [] (HEXELS GERD [DE])
- || R141 (A1)
- [US1887473](#) A [];
- [US5060314](#) A [];
- [US2009282595](#) A1 [];



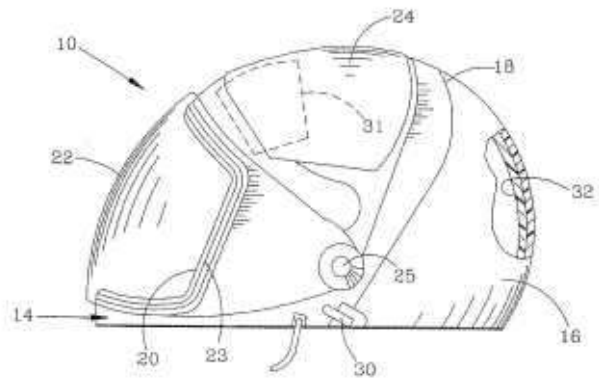
[US3452362](#) A [];
[US3891996](#) A [];
[US3958276](#) A [];
[US2005010987](#) A1 [];
[US2009209894](#) A1 [];
[US2010088799](#) A1 [];
[US2013042376](#) A1 [];
[US5431318](#) A [];
[US5606744](#) A [];
[US5022092](#) A [];
[US5799851](#) A [];
[US2010205718](#) A1 []

- CCI - [F41H1/02](#)
- CUI - [A41D13/0012](#)
- CUA - [A41D13/0518](#) ; [A41D13/0531](#)
- PA - (A1 B2)
SEUK JO WON [US]
- TI - (A1 B2)
Body armor **ballistic** plate carrier
- AB - (A1 B2)
The present plate carrier includes front and rear **panel** sections with internal pockets for supporting **ballistic** plates and inserts, but positions the rear **panel** section to provide improved thoracic protection. The front and rear **panel** sections are suspended by shoulder straps, which connect to the rear **panel** section at a mid point below the top edge of the rear **panel** section. The mid point connection of the shoulder straps causes the rear **panel** section to ride higher than the front **panel** section and higher on the wearer's back thereby positioning the **ballistic** plate inside high on the wearer's back and providing better **ballistic** coverage of the wearer's upper thoracic area. One of the internal pockets of each **panel** section has facing strips of **hook** and **loop** material sewn around its inner periphery that adhere together around a **ballistic** plate

to center and hold the plate in place within the pocket.

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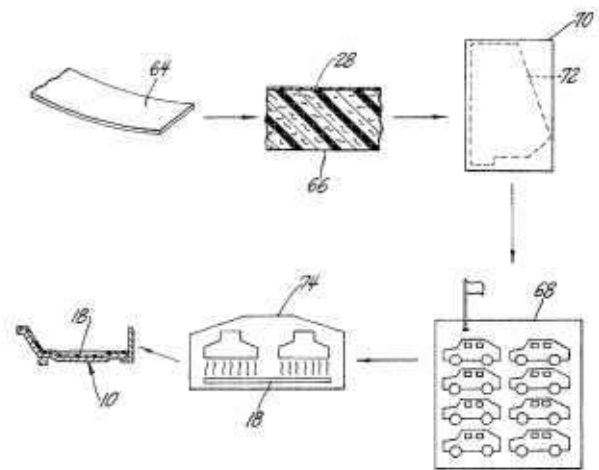
- PN - [US5475878](#) A 19951219
- PR - US19920971116 19921104
- AP - US19920971116 19921104
- DT - *
- CT - [US3362403](#) A []; [US3994023](#) A [];
[US4023209](#) A []; [US4109323](#) A [];
[US4562112](#) A []; [US4566445](#) A [];
[US4627114](#) A []; [US4738990](#) A [];
[US4764238](#) A []; [US4806573](#) A [];
[US4855332](#) A []; [US4866104](#) A [];
[US4874452](#) A []; [US4874648](#) A [];
[US4898763](#) A []; [US4908265](#) A [];
[US4908877](#) A []; [US4918752](#) A [];
[US4940112](#) A []; [US4980004](#) A [];
[EP0074658](#) A2 []; [FR2546381](#) A1 [];
[DE3620768](#) A1 []; [GB2041724](#) A []
- CCI - [A42B3/127](#) ; [A42B3/22](#) ;
[A42B3/32](#) ; [F41H1/08](#)
- PA - US ARMY [US]
- TI - Protective helmet assembly
- AB - A protective helmet assembly (10) comprising a hard **ballistic** outer shell (12) in a clam shell construction of hinged shell portions (14, 16), the front portion (14) being provided with a **window** opening (20) and a facial seal (34). A transparent visor (22) and sun visor (24) are pivotally mounted on the shell portion (14) and are



positionable to cover the **window** with a seal (23) between the visor (22) and shell portion (14). Impact absorbing pads (31, 32) of open cell flexible polyimide foam material are attached to the inner surface of the hard shell portions (14, 16) by cooperative fastener strips (35, 36) of **hook-and-loop** material.

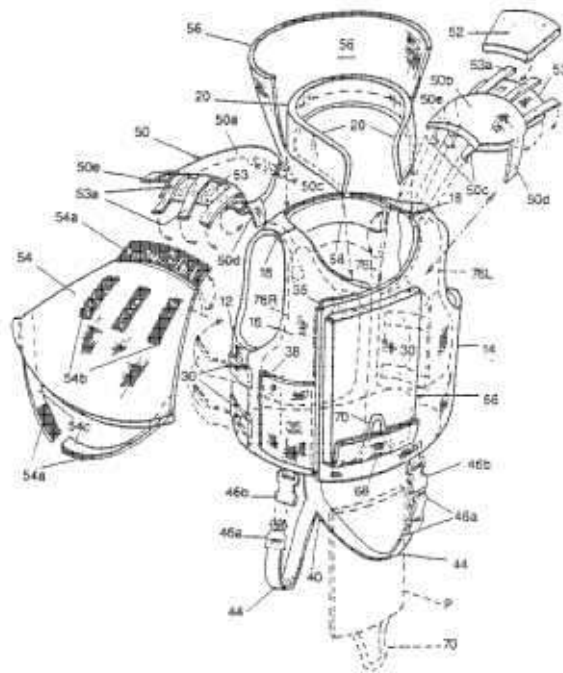
5/10 © EPODOC / EPO

- PN - [US5778506](#) A 19980714
- PR - US19960646759 19960429
- AP - US19960646759 19960429
- DT - *; Rep
- CT - || STSE (A)
[US2258238](#) A 19411007 [] (BALDWIN RUBBER CO);
[US3974313](#) A 19760810 [] (BOEING CO);
[US4457985](#) A 19840703 [] (ALLIED CORP [US]);
[US5191166](#) A 19930302 [] (FOSTER MILLER INC [US]);
[US5333532](#) A 19940802 [] (FOSTER MILLER INC [US]);
[US5591993](#) A 19970107 [] (FUJI ELECTRIC CO LTD [JP]);
[US5679918](#) A 19971021 [] (US ARMY [US])
- CCI - [F41H7/04](#)
- CCA - [Y10T29/49716](#) ; [Y10T29/4995](#) ; [Y10T29/49952](#)
- PA - US ARMY [US]
- TI - Method for ballistically enhancing a formed **panel**
- AB - A method to retrofit a vehicle **panel** with a **ballistic** enhancement mat starts by providing a continuous batt of fibrous material. The batt is impregnated with a matrix of material that is, or can be made to be, deformable and then hardened. The batt is cut into



mats shaped in an outline of the **panel**. An individual mat is placed on the **panel** and conformed to the topography of the **panel** to create a surface-to-surface interface between the mat and the **panel**. The mat and **panel** are fixed together at points all over the interface via an adhesive, a **hook-and-loop** layer, threaded fasteners or any other suitable mechanical fastening mechanism. The matrix is then hardened, whereby the mat becomes an integral reinforcement mechanism for the **panel**. The matrix material can be resoftened to facilitate removal of the mat if the mat needs replacement.

- 6/10 © EPODOC / EPO
- PN - [US5060314](#) A 19911029
- PR - US19900504522 19900403
- AP - US19900504522 19900403
- DT - *
- CT - [US3130414](#) A []; [US3973275](#) A [];
[US4287607](#) A []; [US4453271](#) A [];
[US4497069](#) A []; [US4555234](#) A [];
[US4590622](#) A []; [US4648136](#) A [];
[US4658442](#) A []; [US4668202](#) A [];
[US4669125](#) A []; [US4697285](#) A [];
[US4821339](#) A []; [US4879165](#) A [];
[DE2821718](#) A1 []; [GB2210773](#) A []
- CCI - [A62B17/003](#) ; [F41H1/02](#)
- CCA - [Y10S428/911](#)
- PA - US NAVY [US]
- TI - Multi-mission **ballistic** resistant jacket



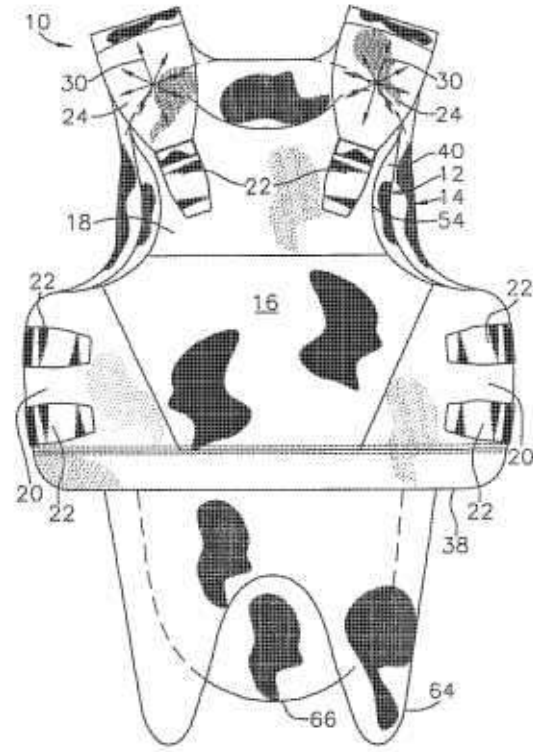
AB

- An improved **ballistic** resistant soft body armor jacket that is fit-adjustable, relatively lightweight, multi-mission adaptable, buoyant, fire-resistant, non hydroscopic and impervious to salt water and most petroleum-based fluids. The jacket shell consists of four basic **ballistic** resistant components: a back **panel**, left and right front panels in combination with side portions, and a permanent collar. It is of wrap around character and uniquely provides a minimum of one inch overlap of the respective fabric-encased **ballistic** inserts at both sides and in the front. It uses **hook** and **loop** type fasteners, such as Velcro TM , in combination with some elasticized fastener bands to provide essentially one handed capability of the various closure and adjustability features. It uses non-hydroscopic material, such as Spectra Shield TM , for the **ballistic** inserts, and a fire proof fabric, such as Nomex III TM , with a water repellant coating. An external chest pocket is provided for an auxiliary armor plate, while inside under arm pockets and pockets in add-on shoulder pads can accommodate flotation packets. Other quick attach-detach accessories include leg straps housed in a back pocket when not needed, a second add-on higher protective collar, secondary combined shoulder and upper arm pads, a groin pad, special purpose pockets for added ammunition and other items. The jacket is capable of withstanding multiple strikes

from a 9 mm submachine gun;
and with use of the auxiliary
chest area pocketed armor plate
can withstand certain fire power
of AK47 type weapons.

7/10 © EPODOC / EPO

PN - [US6233737](#) B1 20010522
PR - US20000492944
20000127; US19990394216
19990913; US19990117819P
19990129
AP - US20000492944 20000127
DT - **
CT - [US3557384](#) A []; [US3559210](#) A [];
[US4425667](#) A []; [US5327811](#) A [];
[US5373582](#) A []; [US5378529](#) A [];
[US5431318](#) A []; [US5465424](#) A [];
[US5479659](#) A []; [US5771489](#) A [];
[US5915528](#) A []; [US5918309](#) A [];
[US5943694](#) A []; [US5960470](#) A [];
[US6029270](#) A []
CCI - [F41H1/02](#)
CCA - [Y10S428/911](#)
PA - SAFARI LAND LTD INC [US]
TI - Concealable **ballistic** vest
AB - A **ballistic** vest having a front **panel** and a rear **panel** having mating side edge configured in a ball and socket configuration. The front **panel** has either a concave or convex waistline. The front and rear panels are connected by stretchable neoprene straps with **hook** and **loop** fasteners at the end of the straps and on the front and rear panels.



PN - [US6185738](#) B1 20010213

PR - US19990268829 19990316

AP - US19990268829 19990316

DT - *

CT - [US1239578](#) A []; [US2967307](#) A [];
[US3452362](#) A []; [US3557384](#) A [];
[US4507802](#) A []; [US5331683](#) A [];
[US5479659](#) A []; [US5495620](#) A [];
[US5974585](#) A []; [FR2699265](#) A1 []

CCI - [F41H1/02](#)

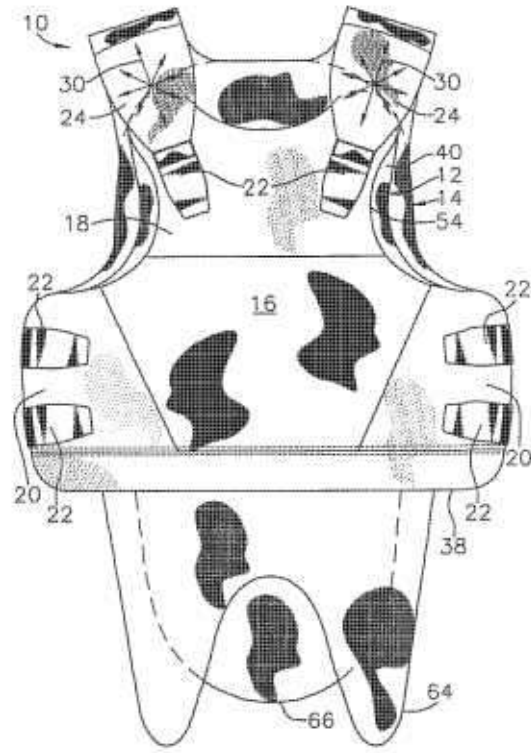
PA - SITE ENTPR OF COLORADO INC [US]

TI - Tactical load-bearing protective vest

AB - A load-bearing protective vest is provided and is adapted to selectively carry detachable elements such as supply receptacles and other auxiliary items. The vest is in the form of a unitary member having a front **panel**, a rear **panel** and a central **panel** interconnecting the front and rear panels. Each **panel** has at least a first inner layer of durable abrasion-resistant material for positioning against the body of a user and a second outer layer of durable abrasion-resistant material. The central **panel** defines a center opening sized and shaped for receiving a human head therethrough and a pair of shoulder support straps disposed on each side of the center opening adapted to support a load imposed by the vest during use thereof. A layer of attachment fabric in the form of **hook-and-loop** type fastening members covers a substantial portion of the outer surface of the second outer layer material of each of the front and rear panels, the detachable elements carrying complementary **hook-and-loop** type fastening members. A plurality of individual fastening members are spaced across a substantial portion of the attachment fabric in operative relation therewith for selective placement and attachment of the detachable elements to the outer surface of the vest. The front **panel** has a first interior compartment defined between the first and second layers of material, the first compartment being accessible through a first vest opening. The rear **panel** similarly has a second interior compartment defined between the first and second layers of material, the second compartment being accessible through a second vest opening. A plurality of individual pouches are secured within the first compartment and are accessible through the first vest opening, and a plurality of individual pouches are likewise secured within the second compartment and are accessible through the second vest opening. The pouches in the first and second compartments are sized and shaped for selectively receiving assorted **ballistic**-resistant body armor elements for providing **ballistic** protection to a user of the vest.

the **armored** curtain freely hangs
in front of the doorway
or **window** to at least partially
shield the doorway or **window**.

- 10/10** © EPODOC / EPO
- PN - [WO0045118](#) A2 20000803
- PNFP - WO0045118 A3 20001130
- PR - US19990117819P
19990129; US19990394216
19990913
- AP - WO2000US02243 20000128
- DT - *; Rep
- CT - |US| ISR (A3)
[US5479659](#) A 19960102
[X] (BACHNER JR THOMAS E [US]);
[US3557384](#) A 19710126
[X] (BARRON EDWARD R, et al);
[US3559210](#) A 19710202
[X] (HANSEN JOHN V E);
[US1163094](#) A 19151207
[X] (KUREK JAN [US]);
[US5943694](#) A 19990831
[XP] (MOUREAUX BEATRICE [FR],
et al);
[US5378529](#) A 19950103
[X] (BOURDEAU JOEEL [FR]);
[US6035440](#) A 20000314
[XE] (WOODYARD CLIFFORD [US]);
[US5431318](#) A 19950711
[X] (GARCIA RANDY A [US])
- CCI - [F41H1/02](#)
- CCA - [Y10S428/911](#)
- PA - (A2 A3)
SAFARI LAND LTD INC [US];
DITCHFIELD BRAD [US]; CARLSON
RICHARD [US]; LEVENEUR
VERONIQUE [US]; MIN ROGER [US]
- TI - (A2 A3)
CONCEALABLE **BALLISTIC** VEST
- AB - (A2)
A **ballistic** vest having a
front **panel** and a rear **panel**
having mating side edge
configured in a ball and socket
configuration. The front **panel**



has either a concave or convex waistline. The front and rear panels are connected by stretchable neoprene straps with **hook** and **loop** fasteners at the end of the straps and on the front and rear panels.

- (A2 A3)

A **ballistic** vest (10) having a front **panel** (12) and a rear **panel** (14) having mating side edge (34) configured in a ball and socket configuration. The front **panel** (12) are either a concave or convex waistline. The front and rear panels (12, 14) are connected by stretchable neoprene straps (24) with **hook** and **loop** fasteners at the end of the straps and on the front and rear panels (12, 14).