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(71) Applicant (for all designated States except US): **Defen-sTech International Inc.** [US/US]; 5391 Oceanus Drive, Huntington Beach, CA 92649 (US).

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(74) Agent: **CARNEGIE, Don**; ST.GEORGE & CARNEGIE, 5405 Alton Parkway, Suite 5A #540, Irvine, CA 92612 (US).

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(54) Title: PROJECTILE RESISTANT MATRIX FOR MANUFACTURE OF PROJECTILE RESISTANT TRAUMA SHIELDS

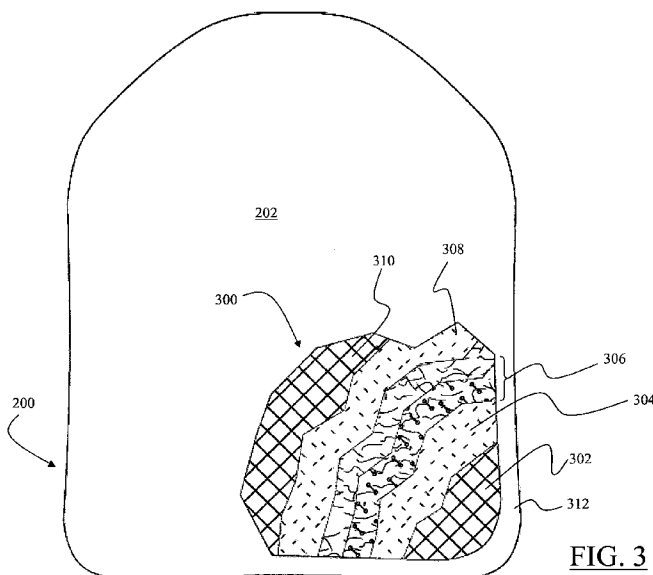


FIG. 3

(57) Abstract: The present invention discloses a projectile resistant armor trauma shield (200) comprised of a projectile resistant matrix (300) that is encapsulated within an elastomer (312). The projectile resistant matrix is comprised of one or more layers of projectile resistant textile (302, 310), one or more plates (306), and with the one or more plates coupled in between the one or more layers of projectile resistant textile with adhesive (304, 308) to form the projectile resistant matrix.

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: **B29C 45/14**(2006.01);**B32B 5/28**(2006.01)
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USPC: 264/279,279.1,271.1;442/135

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)

U.S. : 264/279,279.1,271.1;442/135

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 practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ---	US 4,473,208 (NAVA) 25 September 1984 (24.09.1984), columns 3 and 5, figures 1-4.	36 -----
Y ---		1-24,26-63
Y ---	US 5,677,029 (PREVORSEK et al.) 14 October 1997 (14.10.1997), figures 2, 4, and 5, and columns 5, 13-15, and 20-22.	1-24,26-63 -----
A		25
Y ---	US 6,532,857 (SHIH et al.) 18 March 2003 (18.03.2003), abstract, columns 6-7.	1,33,36,63 -----
A		2-32,34-35,37-62
A	US 4,199,388 (TRACY et al.) 22 April 1980 (22.04.1980).	1-63

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (571) 273-3201

Authorized officer

MATTHEW J. DANIELS

Telephone No. (571) 272-1100

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PCT/US07/00846**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,714,575 (PRESTON) 22 December 1987 (22.12.1987).	1-63
A	US 5,175,040 (HARPELL et al) 29 December 1992 (29.12.1992).	1-63
A	US 6,408,733 (PERCIBALLI) 25 June 2002 (25.06.2002).	1-63