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D. [US/US]; 4101 Old Cheshire Drive, Chester, Virginia 23831 (US).

(74) Agent: **CHESS, Deborah**; Honeywell International Inc., Law Department AB/2B, 101 Columbia Road, Morristown, New Jersey 07962 (US).

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(71) Applicant (for all designated States except US): **HONEYWELL INTERNATIONAL INC.** [US/US]; Law Department AB/2B, 101 Columbia Road, Morristown, NJ 07962 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BHATNAGAR, Ashok** [US/US]; 7843 Lake Forest Street, Richmond, Virginia 23235 (US). **WAGNER, Lori, L.** [US/US]; 7934 Lake Forest Street, Richmond, Virginia 23231 (US). **HURST, David, A.** [US/US]; 11121 Morgan Run Road, Richmond, Virginia 23233 (US). **ARVIDSON, Brian,**

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(54) Title: METHOD OF MAKING IMPROVED BALLISTIC PRODUCTS

(57) Abstract: A method of making a ballistic resistant composite material having improved resistance to high energy rifle bullets and the like. The method comprises providing at least one fibrous layer comprising a network of high tenacity aramid fibers. The fibrous layer is coated with a thermoplastic polyurethane resin. The coated fibrous layer is molded at a pressure of at least about 1,500 psi (10.3 MPa). Preferably, a plurality of fibrous layers are employed, each of which is formed from unidirectionally oriented aramid fibers in a thermoplastic polyurethane resin matrix. Adjacent fibrous layers are preferably oriented at 90° with respect to each other.



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