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- (71) Applicant (*for all designated States except US*): **TEIJIN TWARON GMBH** [DE/DE]; Kasinostrasse 19-21, 42103 Wuppertal (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **BÖTTGER, Christian** [DE/DE]; Geschwister-Scholl Strasse 25, 42897 Remscheid (DE). **FELS, Achim** [DE/DE]; Adalbert-Stifter-Weg 8, 42109 Wuppertal (DE). **BAUMGART, Christoph** [DE/DE]; Martin Luther Strasse 11C, 45549 Spöckhövel (DE). **DORLOFF-LUMPE, Bärbel** [DE/DE]; Falkenberg 119, 42113 Wuppertal (DE).
- (74) Agent: **FETT, Günter**; CPW GmbH, Kasinostrasse 19-21, 42103 Wuppertal (DE).
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(54) Title: PENETRATION-RESISTANT MATERIAL COMPRISING FABRIC WITH HIGH LINEAR DENSITY RATIO OF TWO SETS OF THREADS

(57) Abstract: The invention pertains to a penetration-resistant material comprising at least a double layer of woven fabric, characterized in that the double layer comprises a first layer of fabric composed of a first set of threads comprising 3.5 to 20 threads/cm, having a linear density of at least 210 dtex, and comprising at least 65% of the fabric weight, and a second set of threads comprising 0.5 to 16 threads/cm and having a linear density of at least 50 dtex, with the second set of threads being transverse to the first set of threads, and the ratio of the number of threads/cm of the first set to that of the second set is > 1, and a second layer of fabric composed of a first set of threads comprising 0.5 to 16 threads/cm and having a linear density of at least 50 dtex, and a second set of threads comprising 3.5 to 20 threads/cm, having a linear density of at least 210 dtex, and comprising at least 65% of the fabric weight, with the second set of threads being transverse to the first set of threads, and the ratio of the number of threads/cm of the second set to that of the first set is > 1, and wherein the first and second sets of threads of the first layer have a parallel orientation towards the first and second sets, respectively, of threads of the second layer.



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