



(51) International Patent Classification:
A47C 27/00 (2006.01)

(21) International Application Number:
PCT/US2011/064449

(22) International Filing Date:
12 December 2011 (12.12.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/421,713 10 December 2010 (10.12.2010) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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(54) Title: INTERDIGITATED CELLULAR CUSHIONING

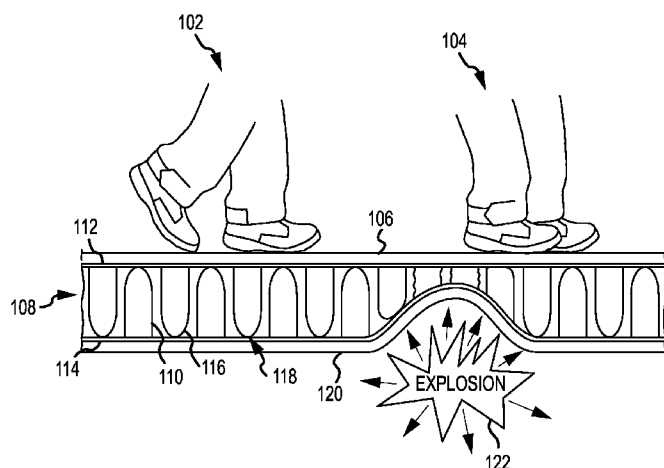


FIG. 1

(57) Abstract: An interdigitated cellular cushioning system (108) includes an array of void cells (110, 116) protruding from each of two binding layers (112, 114) and interdigitated between the two binding layers. Peaks (118) of each of the void cells are attached to the opposite binding layer forming the interdigitated cellular cushioning system. The interdigitated cellular cushioning system may be used to absorb and distribute a source of kinetic energy incident on the interdigitated cellular cushioning system (e.g., an impact or explosion (122)) so that the amount of force transmitted through the interdigitated cellular cushioning system is low enough that it does not cause injury to personnel or damage to personnel (102, 104) or equipment adjacent the interdigitated cellular cushioning system.



(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS,

SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

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