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(71) **Applicant: TENSAR INTERNATIONAL CORPORATION** [US/US]; 2500 Northwinds Parkway, Suite 500, Alpharetta, Georgia 30009 (US).

(72) **Inventors: CAVANAUGH, Joseph**; 7420 Regent Court, Cumming, Georgia 30040 (US). **TYAGI, Manoj Kumar**; 216 Otter Circle, Fayetteville, Georgia 30215 (US). **BAKER, Daniel Mark**; 4940 Meadow Mountain Drive, Broomfield, Colorado 80023 (US). **CURSON, Andrew**; 2 Skiddaw Close, Burnley Lancashire BB12 0LU (GB). **JENKINS, Tom-Ross**; 17 Highmoor Walk, West Lane, Baildon, Bradford Yorkshire BD17 5TT (GB). **WALLER, Andrew Edward**; 187 Billington Avenue, Newton Le Willows Merseyside WA12 0AU (GB). **GALLAGHER, Daniel John**; 11 Mayfield Avenue, Adlington Lancashire PR6 9QE (GB).

(74) **Agent: JACOBSON, JR., Harvey B.**; 400 Seventh Street, N.W., Suite 700, Washington, District of Columbia 20004 (US).

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- (54) Title:** MULTILAYER INTEGRAL GEOGRIDS HAVING A CELLULAR LAYER STRUCTURE, AND METHODS OF MAKING AND USING SAME

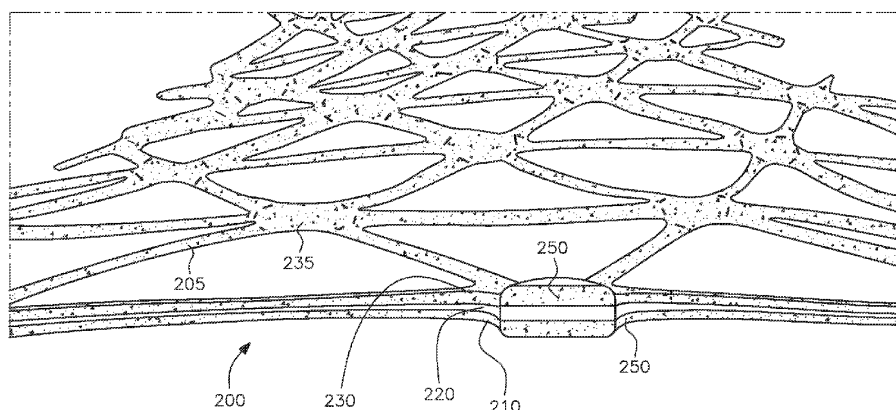


FIG. 1

- (57) **Abstract:** A multilayer integral geogrid, including one or more cellular layers, has a plurality of oriented multilayer strands interconnected by partially oriented multilayer junctions with an array of openings therein. The multilayer integral geogrid having one or more cellular layers is produced from a coextruded or laminated multilayer polymer starting sheet. The integral geogrid has a multilayer construction, with at least one outer layer thereof having the cellular structure. By virtue of the cellular layer structure, the multilayer integral geogrid provides for increased layer vertical compressibility under load, resulting in enhanced material properties that provide performance benefits to use of the multilayer integral geogrid to stabilize and strengthen soil, aggregates, or other particulate materials.

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