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(54) **Title:** A MATERIAL

(57) **Abstract:** A material comprising a plurality of first microparticle, the first microparticle having a first crush strength and a first density, and a plurality of second microparticle, the second microparticle having a second crush strength and a second density. A matrix material is provided to bind the microparticles. The crush strength of the first microparticle is greater than the tensile strength of the matrix material and the matrix material constitutes less than 40% of the material volume. The density of the first microparticle is greater than, or equal to, the density of the second microparticle and both the first microparticle and the second microparticle have a density less than the matrix material.