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(54) Title: CLAY-BEARING MANUFACTURED SANDS FOR HYDRATABLE CEMENTITIOUS COMPOSITIONS



Fig. 2

(57) Abstract: The present invention provides a method for making sand compositions wherein manufactured sand particles are pretreated with a clay-mitigating polycation and blended with natural sand particles that have washed to remove fines such that at least 90% of the natural sand particles are retained on a 75 micron sieve. Methods of the invention also involve the use of the blended pretreated sand for making concrete wherein the sand is combined with cement, a polycarboxylate type dispersant, a further amount of clay-mitigating polycation compound, and at least one hydroxyl or hydroxyl carboxylic acid or salt compound.





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