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(54) Title: FOAMED SULFUR ASPHALTS FOR PAVEMENT RECYCLING AND SOIL STABILIZATION

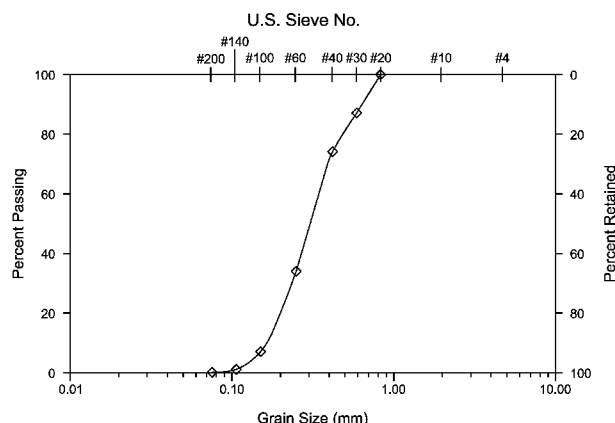


FIG. 1

(57) Abstract: Methods for manufacturing a foamed sulfur asphalt stabilized soil and a foamed sulfur asphalt are provided. The foamed sulfur asphalt stabilized soil includes an foamed sulfur asphalt, an air-dried aggregate, moisturizing water, and Portland cement. The foamed sulfur asphalt includes an asphalt binder, elemental sulfur, foaming air, and foaming water. The foamed sulfur asphalt has a foam half-life equal to or greater than about 6 seconds and a foam expansion ratio equal to or greater than 8. The foamed sulfur asphalt also has an amount of elemental sulfur in a range of from about 10% to about 30% by weight of the combined amounts of elemental sulfur and the asphalt binder in the foamed sulfur asphalt.



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