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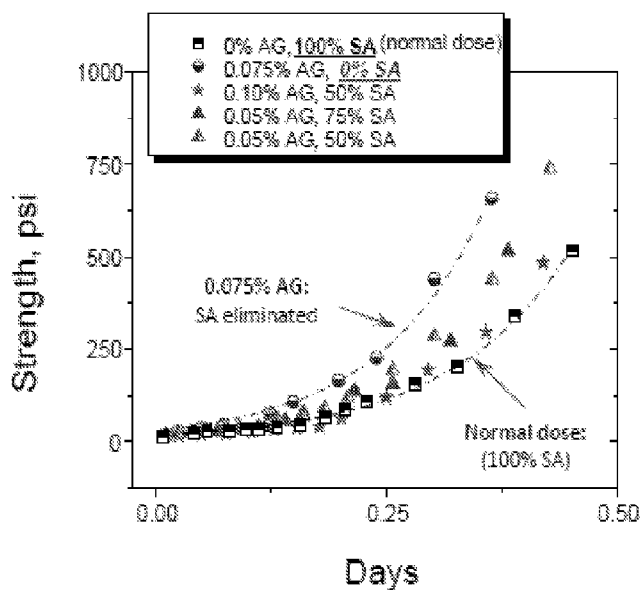
Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) Title: CONCRETE MATERIALS WITH MODIFIED RHEOLOGY, METHODS OF MAKING, AND USES THEREOF

Figure 6B



(57) Abstract: A composition, in the form of a concrete, cement paste, mortar or intermediate thereof, comprising one or more cementitious binder materials present in an amount ranging from 0.5% to 75% by weight of the composition, attapulgit present in an amount ranging from 0.01% to 1.00% by weight of the composition, and optionally water. Although subject to many uses, in some embodiments, the composition is suitable for applications in need or desire of self-consolidating concretes (SCCs), precast concrete, shotcrete, and the like. Although makeable by multiple methods, in some embodiments, the composition is made by mixing the component ingredients. In some embodiments, the composition has one or more properties chosen from superior aggregate suspension, eliminated segregation, improved workability, improved flowability, improved pumpability-or improved overall performance-of concretes.



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