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(54) **CONCRETE HAVING INCREASED SERVICE LIFE AND METHOD OF MAKING**

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(57) **ABSTRACT**

A concrete material having an extended service life and a process of making is herein provided. The concrete material has at least one organic water soluble diffusive transport modifying material that decreases the diffusivity of deleterious species through a pore solution within the concrete matrix. A process for making the concrete provides a variety of methods of introduction of the at least one organic water soluble diffusive transport modifying material into the pore solution of the concrete. The at least one organic water soluble diffusive transport modifying material may be added directly into a wet mix; the concrete may be cured in a solution having the transport modifying material; the transport modifying material may be mixed with a porous aggregate prior to adding to a wet concrete mixture; and the at least one transport modifying material may be introduced into the pore solution with a combination of these methods.