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(54) Title: CATHODIC PROTECTION COATINGS CONTAINING CARBONACEOUS CONDUCTIVE MEDIA

(57) Abstract: A cathodic protection polymeric compound is disclosed. The compound has flowable material to serve as a binder, carbonaceous conductive media dispersed in the flowable material, sacrificial metal particles also dispersed in the flowable material. The carbonaceous conductive media serve as a carbon-based electron transfer agent and are in the form of particles, platelets, fibers, tubes, or combinations thereof. A galvanic circuit is formed by the metal particles serving as anodes, a metal substrate to be protected serving as the cathode, and the conductive media serving as the electron transfer agent. The flowable material can also include an ionically conductive or an inherently conductive polymer to further enhance the galvanic circuit.



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