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(54) Title: IMPROVED FORMULATION OF WATER-SOLUBLE CERAMIC CORES FOR INVESTMENT CASTING TO ENHANCE HIGH TEMPERATURE STRUCTURAL INTEGRITY

(57) Abstract: Herein disclosed is a water-soluble ceramic core that includes a metal oxide including an alkaline earth metal, a carbon material including graphite, a reinforcement agent, and a binder. A method for forming the ceramic core, and an investment casting method, are also disclosed.