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CORES FOR USE IN PRECISION INVESTMENT CASTING

ABSTRACT OF THE DISCLOSURE

Concepts for fabricating improved cores for investment casting are described. The cores are composite which include refractory metal elements (200) and ceramic elements (120). The refractory metal elements are provided to enhance the mechanical properties of the core and/or to permit the fabrication of cores
5 having shapes and geometries that could not otherwise be achieved. In one embodiment, the entire core may be made of refractory metal components. The cores may be used to investment cast gas turbine superalloy components.

Fig. 5