

Title (en)
INVESTMENT CASTING OF ENGINE PARTS

Title (de)
FEINGIESSSEN VON MASCHINENTEILEN

Title (fr)
COULÉE DE PRÉCISION DE PIÈCES DE MOTEUR

Publication
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Application
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Abstract (en)
[origin: EP2992982A1] A process for investment casting of an engine part, such a high-performance turbine blade (B), having at least one internal cavity (C), in which at least one ceramic core member (10) defining the or a respective cavity (C) is maintained in a desired spatial position relative to at least one other component, e.g. another core member (10), of or within a die during at least part of the casting procedure, the at least one core member (10) being maintained in the desired spatial position by at least one support element (20a, 20b, 20c), wherein the or each support element (20a, 20b, 20c) comprises an elongate member, e.g. a length of platinum wire, configured to include therein at least one turn or coil (22, 24) with opposed sides (30, 32), the elongate member being positioned between the respective core member (10) and respective other component (10) with the opposed sides of its at least one turn or coil (22, 24) in space-maintaining relationship between the respective core member (10) and respective other component (10).

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Cited by
CN117718434A; US10443403B2; US10626797B2; WO2018111397A1; US11351599B2; US11813669B2

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