

Title (en)  
COMPONENTS FOR CASTING OF ENGINE PARTS

Title (de)  
KOMPONENTEN ZUM GIESSEN VON MASCHINENTEILEN

Title (fr)  
COMPOSANTS POUR LA COULÉE DE PIÈCES DE MOTEUR

Publication  
**EP 2992982 A1 20160309 (EN)**

Application  
**EP 15181567 A 20150819**

Priority  
GB 201415725 A 20140905

Abstract (en)  
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).

IPC 8 full level  
**B22C 9/04** (2006.01); **B22C 9/10** (2006.01); **B22C 21/14** (2006.01)

CPC (source: EP)  
**B22C 9/043** (2013.01); **B22C 9/108** (2013.01); **B22C 21/14** (2013.01)

Citation (search report)  
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• [XA] GB 847152 A 19600907 - LUDWIG FOBUS BETR S G M B H  
• [XA] GB 165039 A 19220918 - SUEDEDEUTSCHE GIESSEREIBEDARFSZ, et al  
• [XA] GB 191220263 A 19130123 - SONNET HEINRICH [RU]  
• [XA] GB 2118078 A 19831026 - HOWMET TURBINE COMPONENTS  
• [XA] US 2009000754 A1 20090101 - PIGGUSH JUSTIN D [US]

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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
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