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(54) Title: DEWAX METHOD FOR INVESTMENT CASTING

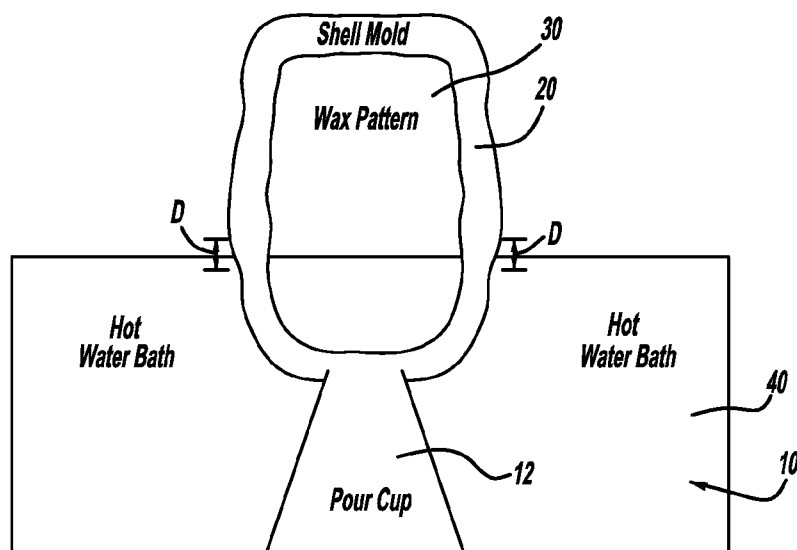


FIG - 2

(57) Abstract: A method for controlling the dewaxing of a ceramic investment casting shell assembly is provided whereby the shells are immersed in a fluid having a relatively low boiling point, e.g., below about 230F. The fluid must be hot enough to transfer heat through the shell assembly so as to melt the wax pattern, but low enough so as to limit steam generation as a result of moisture in the shell. By controlling the rate of immersion of the shell in the hot fluid bath, shell cracking can be greatly reduced.



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PCT/US2011/055597**A. CLASSIFICATION OF SUBJECT MATTER****B22C 9/04(2006.01)i, B22C 1/14(2006.01)i, B22C 7/02(2006.01)i, B22D 23/00(2006.01)i**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

B22C 9/04; B22C 17/00; B22D 27/04; B29C 33/40

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: dewax, cast, mold, wax pattern, water, immersing, bath, melt

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2009-0294086 A1 (YANG XI) 03 December 2009 See abstract, claims 1-20 and figures 1-3.	1-20
A	US 2007-0215315 A1 (Metal Casting Technology, Inc.) 20 September 2007 See abstract and claims 1-37.	1-20
A	US 2006-0175037 A1 (Tshikawajima-Harima Heavy Industries) 10 August 2006 See abstract and claims 1-19.	1-20
A	US 2004-0045692 A1 (JOHN A. REDEMSKE) 11 March 2004 See abstract and claims 1-14.	1-20

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Information on patent family members

International application No.

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