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HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,
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MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
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SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
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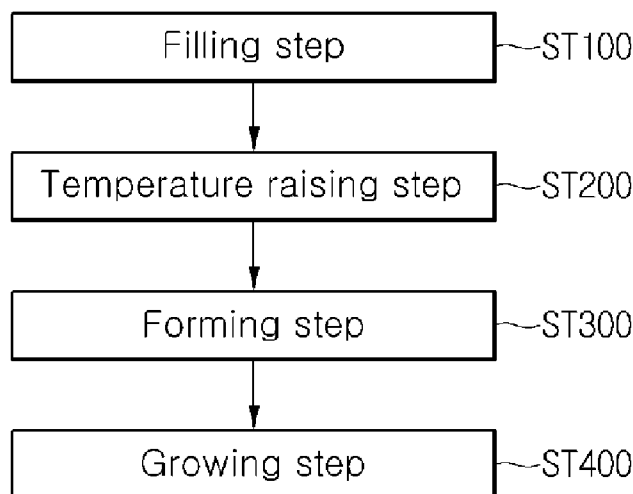
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(54) **Title:** METHOD FOR GROWTH OF INGOT



(57) **Abstract:** A method for growing an ingot according to the embodiment includes filling a first powder in a crucible; raising a temperature of the crucible; forming a second powder by grain-growing the first powder; and growing the ingot by sublimating the second powder.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2012/005988**A. CLASSIFICATION OF SUBJECT MATTER*****C30B 23/00(2006.01)i, C30B 29/36(2006.01)i, H01L 21/02(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)

C30B29/36, C30B23/06, C30B23/00

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: single crystal, ingot, sublimation, raw material, silicon carbide, temperature, and similar terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2010-270000 A (NIPPON STEEL CORPORATION) 2 December 2010 See abstract; paragraphs [0016]-[0018], [0022]-[0026]; claims 1-7; and figures 1-2.	1-10
A	KR 10-2006-0094769 A (NEOSEMITECH INC.) 30 August 2006 See abstract; description of the invention in pages 3-4; claims 1, 5; and figures 2-3b.	1-10
A	JP 2009-051700 A (DENSO CORPORATION) 12 March 2009 See abstract; paragraphs [0018]-[0021]; claim 1; and figure 1.	1-10
A	JP 2011-102204 A (SUMITOMO OSAKA CEMENT CO., LTD.) 26 May 2011 See abstract; paragraphs [0016]-[0018], [0020], [0024]-[0027]; claim 1; and figures 1-2.	1-10
A	JP 2002-308698 A (DENSO CORPORATION) 23 October 2002 See abstract; paragraphs [0031]-[0038]; and claim 1.	1-10

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

* Special categories of cited documents:

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2010-270000 A	02.12.2010	NONE	
KR 10-2006-0094769 A	30.08.2006	NONE	
JP 2009-051700 A	12.03.2009	JP 04924289 B2	25.04.2012
JP 2011-102204 A	26.05.2011	NONE	
JP 2002-308698 A	23.10.2002	JP 04691815 B2	01.06.2011