(A1)

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

G00002

(43) International Publication Date
25 July 2002 (25.07.2002)

PCT

(10) International Publication Number
WO 02/057518 A3

(51) International Patent Classification[7]: C30B 15/00, 29/06, 35/00, H01L 21/00

(21) International Application Number: PCT/US01/50968

(22) International Filing Date: 7 December 2001 (07.12.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/258,296 26 December 2000 (26.12.2000) US
10/039,459 7 November 2001 (07.11.2001) US

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(81) Designated States *(national)*: CN, JP, KR, SG.

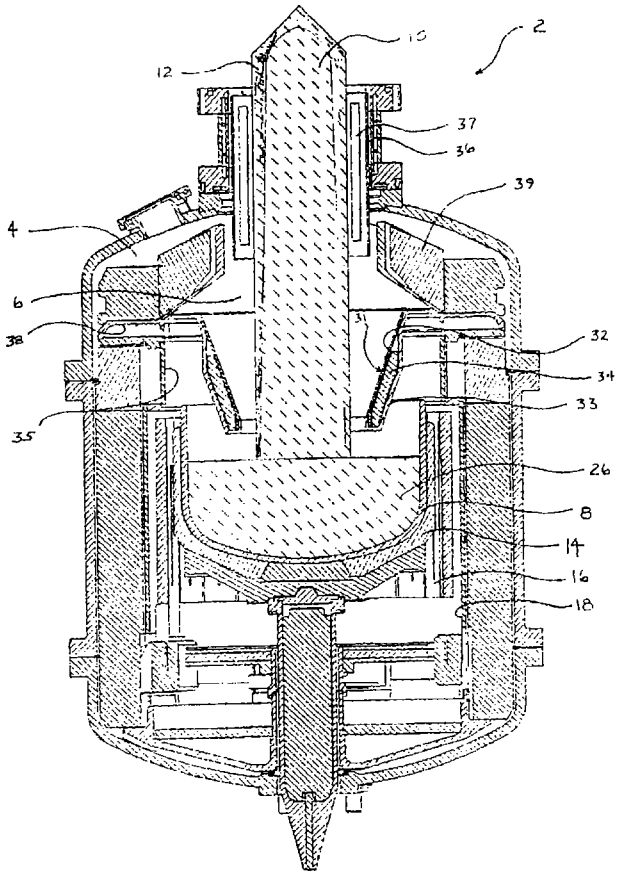
(84) Designated States *(regional)*: European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).

Published:
— *with international search report*

(88) Date of publication of the international search report:
17 April 2003

[Continued on next page]

(54) Title: APPARATUS AND PROCESS FOR THE PREPARATION OF LOW-IRON_CONTAMINATION SINGLE CRYSTAL SILICON



(57) Abstract: A method and apparatus for producing silicon single crystals with reduced iron contamination is disclosed. The apparatus contains at least one structural component constructed of a graphite substrate and a silicon carbide protective layer covering the surface of the substrate that is exposed to the atmosphere of the growth chamber. The graphite substrate has a concentration of iron no greater than about 1.5*1012 atoms/cm3 and the silicon carbide protective layer has a concentration of iron no greater than about 1.0*1012 atoms/cm3.

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