

(12) 特許協力条約に基づいて公開された国際出願

(19) 世界知的所有権機関
国際事務局



(43) 国際公開日
2011 年 3 月 10 日(10.03.2011)

(10) 国際公開番号
WO 2011/027803 A1

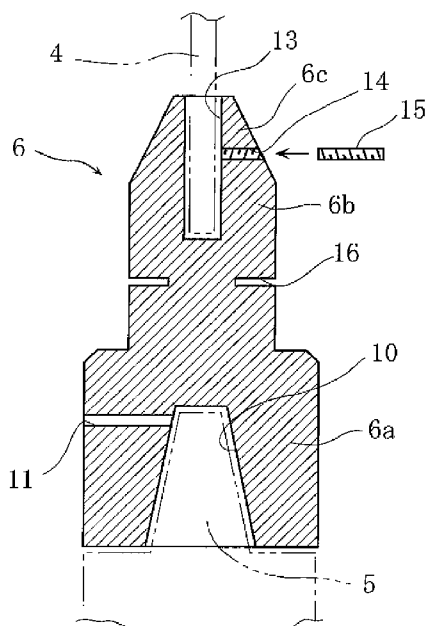
- (51) 国際特許分類:
C01B 33/035 (2006.01) C01B 31/04 (2006.01)
- (21) 国際出願番号: PCT/JP2010/064986
- (22) 国際出願日: 2010 年 9 月 2 日(02.09.2010)
- (25) 国際出願の言語: 日本語
- (26) 国際公開の言語: 日本語
- (30) 優先権データ:
特願 2009-202389 2009 年 9 月 2 日(02.09.2009) JP
- (71) 出願人 (米国を除く全ての指定国について): 東洋炭素株式会社(TOYO TANSO CO., LTD.) [JP/JP]; 〒5550011 大阪府大阪市西淀川区竹島 5 丁目 7 番 1 2 号 Osaka (JP).
- (72) 発明者: および
- (75) 発明者/出願人 (米国についてのみ): 石崎 淳 (ISHIZAKI, Jun) [JP/JP]; 〒5300001 大阪府大阪市北区梅田 3 丁目 3 番 1 0 号梅田ダイビル 1 0 F 東洋炭素株式会社内 Osaka (JP). 泉宮 正樹 (IZUMIYA, Masaki) [JP/JP]; 〒7691612 香川県観音寺市大野原町中姫 2 1 8 1 - 2 東洋炭素株式会社内 Kagawa (JP).
- (74) 代理人: 来代 哲男, 外(KITADAI, Tetsuo et al.); 〒5320011 大阪府大阪市淀川区西中島 7 丁目 1 2 番 5 - 6 0 5 Osaka (JP).
- (81) 指定国 (表示のない限り、全ての種類の国内保護が可能): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) 指定国 (表示のない限り、全ての種類の広域保護が可能): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), ユーラシア (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), ヨーロッパ (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[続葉有]

(54) Title: SEED HOLDING MEMBER AND METHOD FOR PRODUCING POLYCRYSTALLINE SILICON USING THE SEED HOLDING MEMBER

(54) 発明の名称: シード保持部材及びそのシード保持部材を用いた多結晶シリコン製造方法

[図3]



(57) Abstract: A depressed section to be bent and separated is formed in an optional place so as to cause stress concentration in the depressed section when a breaking load is applied, thereby making it possible to bend the depressed section with a smaller load than is conventional. Disclosed are a seed holding member which is capable of preventing cracks from spreading to an unintended place of the seed holding member to lighten time and effort of the isolation work of the seed holding member and polycrystalline silicon by making the cracks spread along the depressed section, and a method for producing polycrystalline silicon using the seed holding member. A groove (16) to be bent and separated is formed on the outer peripheral surface of a graphite-made seed holding member (6) which is disposed at the bottom of a furnace for producing the polycrystalline silicon by a Siemens method so as to hold the bottom end of a seed (4) serving as a seed rod. The seed holding member (6) comprises a cylindrical base section (6a) having a first fitting hole (10) into which an electrode section (5) is inserted, a cylindrical barrel section (6b) having a smaller diameter than that of the base section (6a), and a truncated conical tip (6c) which is continued into the barrel section (6b), and which has a second fitting hole (13) into which the bottom end of the seed (4) is inserted.

(57) 要約:

[続葉有]