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国际局

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- (81) 指定国(除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG,

BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW。

- (84) 指定国(除另有指明, 要求每一种可提供的地区保护): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), 欧亚 (AM, AZ, BY, KG, KZ, RU, TJ, TM), 欧洲 (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG)。

本国际公布:

- 包括国际检索报告(条约第 21 条(3))。

(54) Title: SINGLE CRYSTAL FURNACE HEATING STRUCTURE AND SINGLE CRYSTAL FURNACE

(54) 发明名称: 单晶炉加热结构和单晶炉

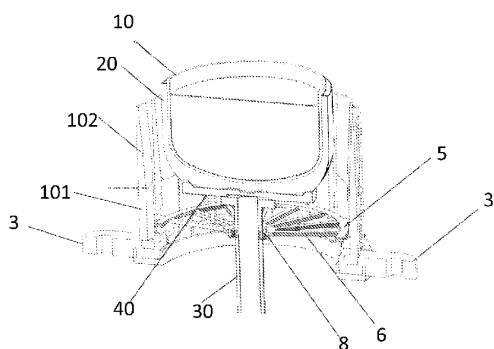


图 2

(57) Abstract: The present application relates to a single crystal furnace heating structure and a single crystal furnace. The single crystal furnace heating structure comprises: an insulating base plate; a plurality of heating units, which are arranged around the edge of the insulating base plate; a power supply unit, which is configured to apply an electric signal to the heating units; conductive blocks, which are movably connected between adjacent heating units, such that the plurality of heating units are connected in series and match the power supply unit to form a loop; and an insulating connection assembly, wherein one end of the insulating connection assembly is connected to the conductive blocks, the other end of the insulating connection assembly is configured to be connected to a crucible support shaft, and the insulating connection assembly drives the conductive blocks to ascend and descend along with the lifting of the crucible support shaft so as to change the length of heating areas of the heating units in a first direction which is an axial direction of the crucible support shaft.

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(57) 摘要: 本申请涉及一种单晶炉加热结构和单晶炉, 所述单晶炉加热结构包括: 绝缘底盘; 多个加热单元, 多个所述加热单元环绕设置于所述绝缘底盘的边缘; 供电单元, 用于向所述加热单元施加电信号; 导电块, 活动连接于相邻加热单元之间, 使得多个所述加热单元相串联, 并与所述供电单元相配合形成回路; 绝缘连接组件, 绝缘连接组件的一端与导电块连接, 绝缘连接组件的另一端用于与坩埚支撑轴连接, 绝缘连接组件随着坩埚轴升降, 带动导电块进行升降运动, 以改变加热单元的加热区在第一方向上的长度, 第一方向为坩埚支撑轴的轴向方向。