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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,

(54) Title: AUTOMATIC SLIDING TABLE MECHANISM OF CULTURE VESSEL CARRIER AND SHAKER INCUBATOR

(54) 发明名称: 培养器皿载架自动滑台机构及摇床培养箱

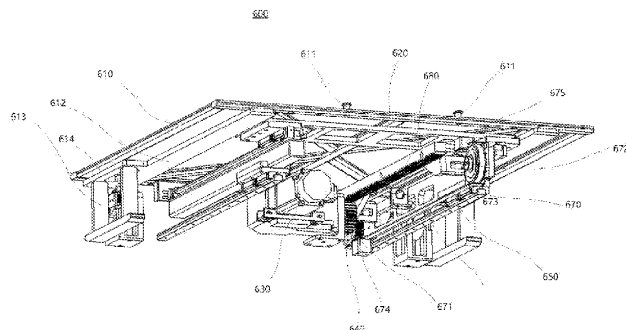


图 5

(57) Abstract: The present application belongs to the technical field of biopharmaceutical production devices, and discloses a culture vessel carrier automatic sliding table mechanism and a shaker incubator, by means of which a shake flask/shake tube/orifice plate carrier assembly can automatically slide in and out relative to an incubator main body. The culture vessel carrier automatic sliding table mechanism comprises a sliding table protective housing and is provided with a culture vessel carrier bearing member, a first sliding rail and a second sliding rail are provided at a lower portion of the culture vessel carrier bearing member, the second sliding rail is arranged at the lower portion of the culture vessel carrier bearing member and located above the first sliding rail, and the first sliding rail is arranged at a fixed base portion that does not slide in the incubator main body. A sliding rail middle fixing plate is connected between the first sliding rail and the second sliding rail and fixed to an inner wall of the sliding table protective housing, and both sides of the sliding rail middle fixing plate are provided with a sliding channel. When the sliding rail middle fixing plate slides in and out, the sliding channels in the sliding rail middle fixing plate can synchronously slide with the second sliding rail, and the second sliding rail can slide relative to the sliding rail middle fixing plate, so as to achieve two-stage sliding of a bearing plate of the shake flask/shake tube/orifice plate carrier assembly arranged on the sliding table protective housing.

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CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, 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, GH, GM, KE, LR, LS, MW, MZ, NA, RW, 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, 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))。

(57) 摘要: 本申请属于生物药品生产装置技术领域, 其公开了一种培养器皿载架自动滑台机构及摇床培养箱, 能实现摇瓶/摇管/孔板载架组件相对于培养箱主体的自动滑入滑出。该培养器皿载架自动滑台机构包括滑台护壳并且安装有培养器皿载架承载件, 在该培养器皿载架承载件下部设置有第一滑轨和第二滑轨, 第二滑轨设置于该培养器皿载架承载件下部且位于该第一滑轨的上方, 而该第一滑轨设置在培养箱主体内不发生滑动的固定基座部。该第一滑轨与该第二滑轨之间连接设置有固定于滑台护壳内壁的滑轨中间固定板, 且该滑轨中间固定板两侧均设置滑槽。在滑出滑入时, 该滑轨中间固定板上的滑槽能与该第二滑轨同步地滑动且该第二滑轨本身能相对于该滑轨中间固定板滑动, 能实现设置于滑台护壳上的摇瓶/摇管/孔板载架组件的承载盘的两级滑动。