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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,

(54) Title: POWER DISTRIBUTION APPARATUS ALLOWING FOR STEP-BY-STEP POWER DRAWING

(54) 发明名称: 可分步式取电的配电装置

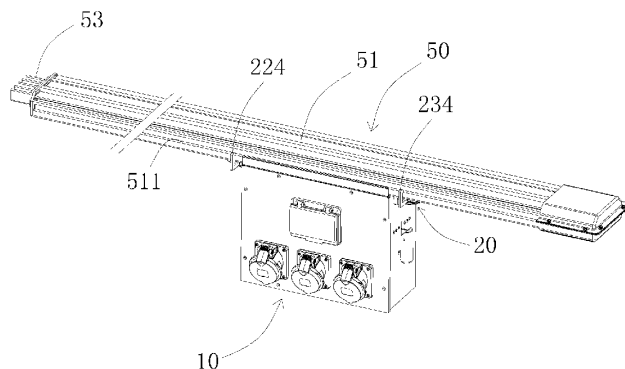


图 1A

(57) Abstract: A power distribution apparatus allowing for step-by-step power drawing. The power distribution device is provided with a main case; a step-by-step power drawing mechanism and a control mechanism are arranged in the main case; a clamping mechanism is arranged on the outer side of the main case; the main case is clamped on a bus duct by means of the clamping mechanism; the step-by-step power drawing mechanism is connected to the bus duct to draw power and is electrically connected to an electric device by means of a plurality of power sockets or industrial electrical connectors for power outputting; the control mechanism is electrically connected to the step-by-step power drawing mechanism, and performs safety control on the power drawing and outputting process. The apparatus of the present invention can be simply, conveniently and quickly clamped to the bus duct to achieve plug-in power drawing from the bus duct, and can also implement safety control on the power drawing and current outputting process, so that higher efficiency and safer usage are achieved.

[见续页]

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))。

(57) 摘要: 可分步式取电的配电装置, 该配电装置设有主箱体, 主箱体内设有分步取电机构和控制机构, 主箱体外侧设有卡接机构, 所述主箱体通过卡接机构卡接在母线槽上, 所述分步取电机构与母线槽连接取电, 并通过多个电源输出用的电源插座或工业电连接器与用电设备电连接, 所述控制机构与分步取电机构电连接, 对取电及输出过程进行安全控制。本发明的装置可简便快捷地卡接于母线槽上, 实现与母线槽的插接取电, 同时可对取电及电流输出过程进行安全控制, 因此使用效率更高且使用更加安全。