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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。

(54) Title: CARRIER AND DETECTION APPARATUS

(54) 发明名称: 载具及检测设备

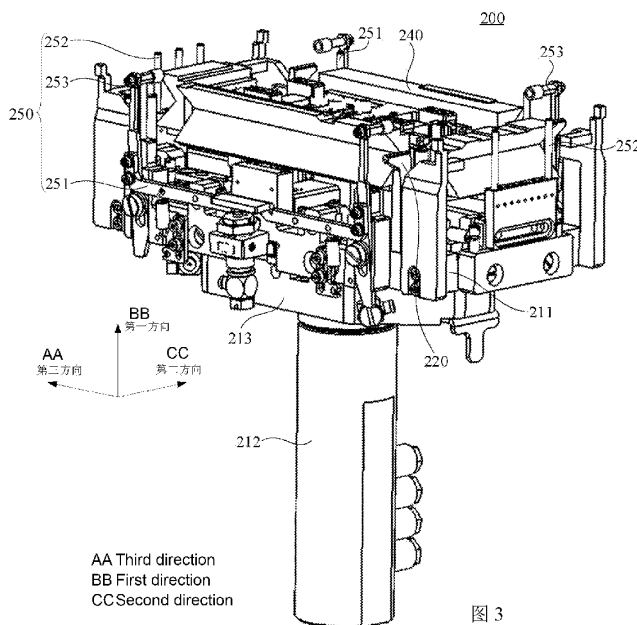


图 3

(57) Abstract: A carrier (200) and a detection apparatus. The carrier comprises a mounting base (211), a support assembly (220), a drive assembly (230), and an optical path adjustment assembly (240), wherein a product (100) is supported on the support assembly (220), and the side of the product (100) provided with an inner cavity (110) faces the mounting base (211); and the drive assembly (230) drives the optical path adjustment assembly (240) to move towards the product (100) until the optical path adjustment assembly (240) extends into the inner cavity (110) and is opposite a mounting hole (120), so that light can illuminate a side wall (130) of the

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inner cavity (110), thereby realizing detection of an outer side of the product (100) and the side wall (130) of the inner cavity (110) by means of a detection device. When a bottom wall (140) of the inner cavity (110) of the product (100) is detected, it is only necessary to drive the optical path adjustment assembly (240) away from the product (100) by means of the drive assembly (230), then to flip the product (100) over and place the product on the support assembly (220), and then to detect the bottom wall (140) of the inner cavity (110) of the product (100) by means of the detection device. During detection, there is no need to provide two stations and two carriers, thus making the structure of the detection apparatus more compact, and also reducing the cost of the apparatus.

(57) 摘要: 一种载具(200)及检测设备, 包括安装座(211)、支撑组件(220)、驱动组件(230)及光路调整组件(240)。将产品(100)支撑于支撑组件(220), 且产品(100)具有内腔(110)的一侧朝向安装座(211), 驱动组件(230)驱动光路调整组件(240)朝产品(100)移动, 直至伸入内腔(110)并与安装孔(120)相对, 使得光线能够照射于内腔(110)的侧壁(130), 实现检测装置对产品(100)的外侧以及内腔(110)的侧壁(130)进行检测。在对产品(100)内腔(110)的底壁(140)进行检测时, 只需要驱动组件(230)驱动光路调整组件(240)远离产品(100), 然后将产品(100)翻转并放置在支撑组件(220)上, 再由检测装置对产品(100)内腔(110)的底壁(140)进行检测即可。检测时无需设置两个工位以及两个载具, 使得检测设备的结构更加紧凑, 而且还能够降低设备成本。