

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局

(43) 国际公布日
2026 年 6 月 25 日 (25.06.2026)



(10) 国际公布号
WO 2026/129152 A1

(51) 国际专利分类号:
G01C 5/00 (2006.01)

(21) 国际申请号: PCT/CN2024/140035

(22) 国际申请日: 2024 年 12 月 17 日 (17.12.2024)

(25) 申请语言: 中文

(26) 公布语言: 中文

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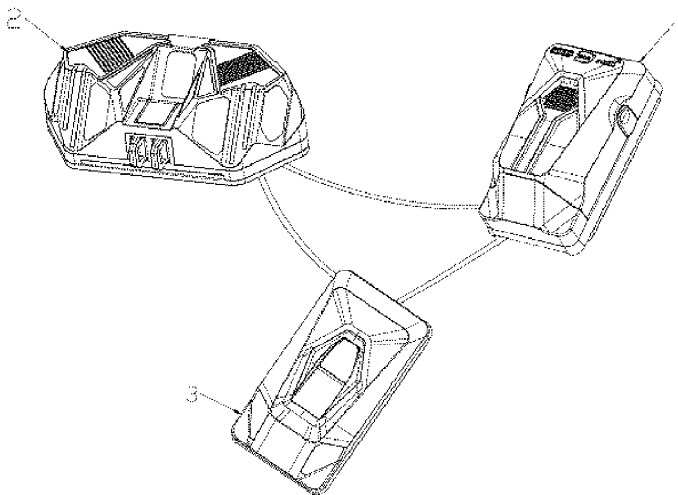
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(81) 指定国(除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG,

(54) Title: HEIGHT MEASURING LASER DEVICE OF SAFETY BELT AND MEASURING METHOD THEREFOR

(54) 发明名称: 一种安全带的高度探测激光装置及其探测方法



[图1]

(57) Abstract: The present invention relates to a height measuring laser device of a safety belt and a measuring method therefor. The height measuring laser device comprises a laser main unit, a main laser device, and at least one auxiliary laser device. The main laser device comprises a plurality of first laser detection elements; the auxiliary laser device comprises a plurality of second laser detection elements; the main laser device and the auxiliary laser device are separately provided with a plurality of placement planes and placement slots; each placement slot is located in a placement plane, and the orientations of the placement planes are different.

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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))。

The present invention is provided with the main laser device and the auxiliary laser device to jointly measure the front operating height and the back operating height of an operator, which can improve the accuracy of measurement data. The present application filters the acquired operating height data and performs calculation to finally obtain the actual operating height of the operator, and transmits the operating height data to a server by means of the laser main unit for monitoring, thereby improving the level of intelligence significantly, and making the accuracy of the measured data high.

(57) 摘要: 本发明涉及一种安全带的高度探测激光装置及其探测方法, 包括激光主机、主激光装置和至少一个辅激光装置, 主激光装置包括若干个第一激光探测件; 辅激光装置包括若干个第二激光探测件; 主激光装置和辅激光装置分别设有多个放置平面和放置槽, 每一放置槽分别位于每一放置平面内, 且放置平面的朝向不同。本发明设有主激光装置和辅激光装置共同对作业员的正面作业高度以及背面作业高度进行测量, 能够提高测量数据的准确性。并对获取的作业高度数据进行过滤和计算, 最终得到作业员实际的作业高度, 并通过激光主机将作业高度数据传输至服务器以进行监测, 智能化程度得到明显提高, 测得的数据的准确性较高。