

(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
2023 年 8 月 3 日 (03.08.2023)



(10) 国际公布号
WO 2023/142572 A1

- (51) 国际专利分类号:
G02B 6/42 (2006.01) *G02B 6/36* (2006.01)
- (21) 国际申请号: PCT/CN2022/128842
- (22) 国际申请日: 2022 年 11 月 1 日 (01.11.2022)
- (25) 申请语言: 中文
- (26) 公布语言: 中文
- (30) 优先权:
202220231480.2 2022 年 1 月 27 日 (27.01.2022) CN
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(54) Title: OPTICAL MODULE

(54) 发明名称: 光模块

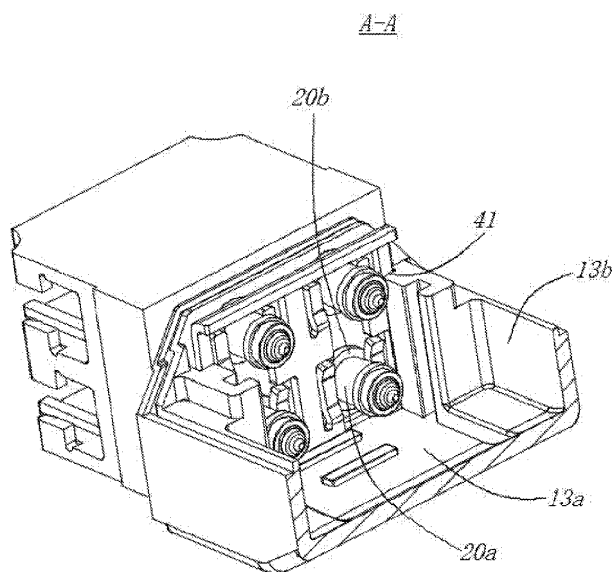


图 4

(57) Abstract: An optical module, comprising a housing (10), and a circuit board and an optical assembly provided in the housing (10). The housing (10) has an optical port (11), an adaptation portion (12) being provided at the optical port (11). The optical assembly comprises an optical socket (20) disposed in the adaptation portion (12) in a radial limiting manner. The optical module further comprises a pressing piece (30) and a plugging structure (40) provided in the housing (10), the plugging structure (40) being oppositely disposed on two sides of an axis of the optical socket (20). Two opposite ends of the pressing piece (30) are inserted into the plugging structure (40).

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根据细则4.17的声明:

- 关于发明人身份(细则4.17(i))
- 关于申请人有权申请并被授予专利(细则
4.17(ii))
- 发明人资格(细则4.17(iv))

本国际公布:

- 包括国际检索报告(条约第21条(3))。

(40). The pressing piece (30) is provided with at least one elastic piece structure (31), the elastic piece structure (31) having an elastic piece (31a) abutting against the optical socket (20) along the axial direction of the optical socket (20), and two ends of the pressing piece (30) abutting against the plugging structure (40), so that the elastic piece (31a) presses the optical socket (20) into the adaptation portion (12). By means of the elastic piece structure (31) provided on the pressing piece (30), the optical socket (20) elastically abuts in the adaptation portion (12), and the two opposite ends of the pressing piece (30) are inserted into the plugging structure (40), so that the pressing piece (30) is not prone to deflection and loosening when pressing the optical socket (20).

(57) 摘要: 一种光模块, 包括壳体(10)以及设置于壳体(10)内的电路板和光学组件, 该壳体(10)具有光口(11), 该光口(11)处设有适配部(12), 该光学组件包括沿径向限位设置于该适配部(12)内的光插座(20), 该光模块还包括设置于壳体(10)内的压紧片(30)和插接结构(40), 该插接结构(40)相对设置于光插座(20)轴线的两侧, 该压紧片(30)相对的两端插接于该插接结构(40)内; 该压紧片(30)设有至少一个弹片结构(31), 该弹片结构(31)具有沿光插座(20)轴线方向抵接于光插座(20)的弹片(31a), 该压紧片(30)的两端抵接于该插接结构(40)内, 使该弹片(31a)将该光插座(20)抵压于该适配部(12)内。通过压紧片(30)上设置的弹片结构(31)将光插座(20)弹性抵持于适配部(12)内, 而且由于压紧片(30)相对的两端插接于插接结构(40)内, 使得压紧片(30)抵压于光插座(20)时不易产生偏斜和松动。