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(54) Title: CONVENIENT-TO-OPERATE WIRING TERMINAL

(54) 发明名称: 一种方便操作的接线端子

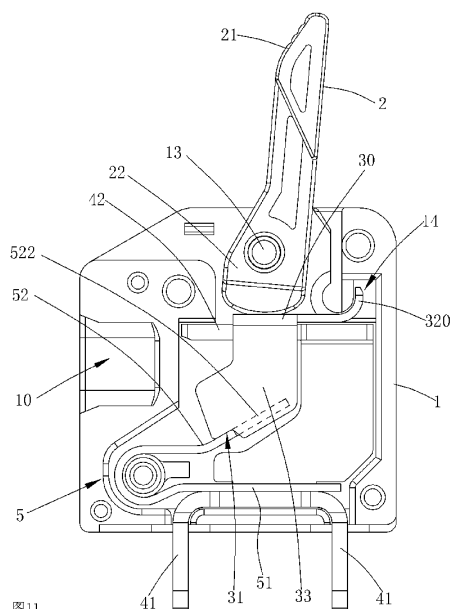


图11

(57) Abstract: A convenient-to-operate wiring terminal, which comprises an insulating housing (1), an operation rod (2), a rotary guide piece (3), an electrical conductor (4), an elastic clamping piece (5) and a cover plate (6). The operation rod (2) is rotatably connected onto the insulating housing (1), a fixing part (51) of the elastic clamping piece (5) is fixed onto the electrical conductor (4), the top of an elastic free part (52) of the elastic clamping piece (5) may receive pressure from the rotary guide piece (3), and the cover plate (6) and the insulating housing (1) are assembled together. During wiring, the operation rod (2) is pulled so as to turn over, and a gap into which a wire is inserted will then be formed between the elastic free part of the elastic clamping piece (5) and the electrical conductor (4). The gap will continuously be present due to the action of a rotary limiting part (12), which thus facilitates the accessing of a wire. The operation rod (2) is pulled backwards so that the wire comes into electrical contact with the electrical conductor (4), thereby completing the wiring operation. When the operation rod (2) is again pulled and turned over, there is no need to continuously use force, and the wire may be led out easily.

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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)。

根据细则4.17的声明:

- 关于申请人有权申请并被授予专利(细则4.17(ii))
- 关于申请人有权要求在先申请的优先权(细则4.17(iii))
- 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))。

(57) 摘要: 一种方便操作的接线端子,其包括绝缘壳体(1)、操作杆(2)、转导件(3)、电导体(4)、弹性夹紧件(5)、盖板(6);其中,操作杆(2)可转动地连接在绝缘壳体(1)上,弹性夹紧件(5)的固定部(51)固定到电导体(4)上,弹性夹紧件(5)的弹性自由部(52)能够被转导件(3)所顶压,盖板(6)与绝缘壳体(1)组装在一起。接线时,扳动操作杆(2)使其翻起后,弹性夹紧件(5)的弹性自由部与电导体(4)之间会形成供导线插入的间隙,该间隙会因转动限位部(12)的作用而持续存在,从而方便接入导线,反向扳动操作杆(2),使导线电接触电导体(4),完成接线操作;再次扳动翻起操作杆(2),无需持续用力,导线能轻松取出。