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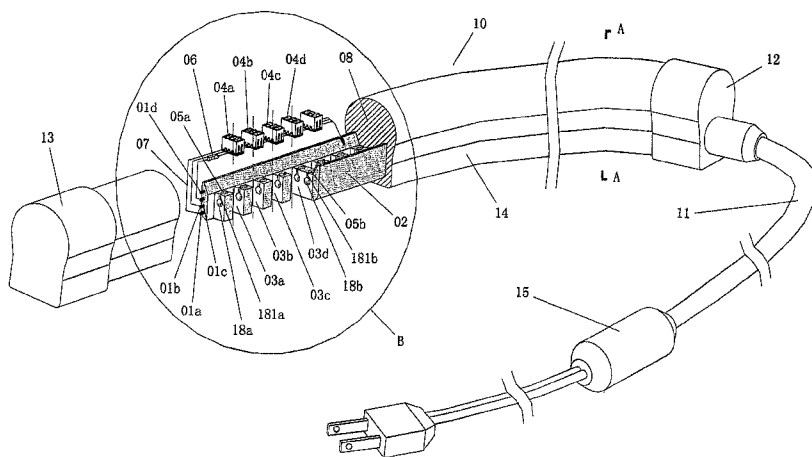
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(54) Title: AN IMPROVED STRUCTURE OF A COLOR CHANGEABLE SOFT-TUBE LIGHT

(54) 发明名称: 一种改良的变色软管灯结构



(57) Abstract: An improved structure of a color changeable soft-tube light comprises an opaque core line, a plurality of LEDs disposed within the core line, a translucent diffuser placed over the LEDs and its length being equal to the core line, and a jacket surrounding the core line and the translucent diffuser and its length being also equal to the core line. The jacket is integrally extruded and moulded on the outer portions of the core line and the diffuser. The LEDs are divided into many groups, each of which comprises a red LED, a green LED and a blue LED, and each of which is placed into a fixing device to form a unit. A plurality of the units are connected in series and placed into the transversal through-holes locating in the core line. The fixing device can be a box, which is quadrature, circular or elliptical. The improved structure of the soft-tube light simulation can afford a color changeable, color mixable, and chromatically versatile fixture, which can have the same uniform and sequential effect as neon light. Therefore, it can achieve the aim that is desired and pursued in the soft-tube light industry.

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本国际公布：

— 包括国际检索报告。

(57) 摘要：

本发明公开了一种改良的变色软管灯结构，包括一不透光的芯线、设置于芯线内的多个LED、设置于LED上方的一与芯线等长的半透明散光体、一包覆于芯线外的与上述散光体一体挤出成型的与芯线等长度的包覆层，该包覆层与散光体为一整体。所述的多个LED灯泡，以红、绿、蓝三个LED为一组存设于一个固定装置形成一个单元，多个这样的单元串联并对应地存设于所述芯线中的多个横向孔中。所述固定装置为一盒体。所述的盒体可以为方形、圆形或者椭圆形盒体。本发明有模拟霓虹灯均匀连续的光线效果，而且可以变色及混色，色泽多样绚丽，达到了软管灯行业追求的更高目标。