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本国际公布:

— 包括国际检索报告(条约第 21 条(3))。

(54) Title: REVERSIBLE ELECTRICAL CONNECTION FEMALE SOCKET AND REVERSIBLE ELECTRICAL CONNECTION MALE PLUG AND COMBINATION THEREOF

(54) 发明名称: 双向电连接母座及双向电连接公头及其组合

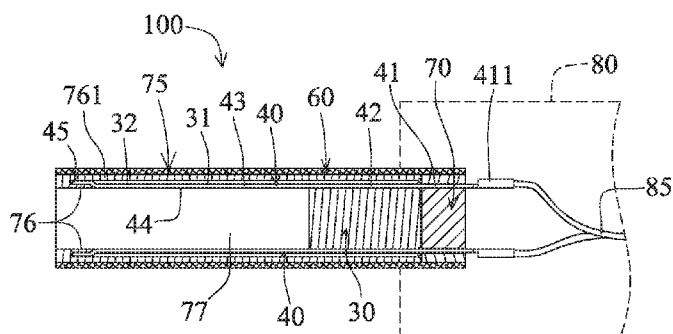


图 4 /Fig.4

(57) Abstract: The present invention discloses a reversible electrical connection female socket, a reversible electrical connection male connector, and a combination thereof. The reversible electrical connection male connector is reversibly insertable into a standard USB electrical connection female socket, and comprises: an insulating base body; and an insertion part, arranged at one end of the insulating base body and able to be inserted into a connection slot of the electrical connection female socket; the male connector is characterized in that the insertion part is provided with two contact interface substrates that have a same height and that are opposite each other, and a sleeving space; each of the two contact interface substrates is provided with an insulating layer and the gap between the two substrates is the sleeving space; the insertion part is reversibly insertable, either side up, into the connection slot of the standard electrical connection female socket, the heights of the two contact interface substrates allow said substrates to fit into the small space, and a positioning structure is provided to position the insulating layers of the two contact interface substrates.

(57) 摘要:

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本发明公开了一种双向电连接母座及双向电连接公头及其组合，其中，双向电连接公头是可双向插接一 USB 协会规范的标准型电连接母座，包括有：一绝缘座体；及一套接部，其设于该绝缘座体一端，可插入该电连接母座的连接槽；其特征在于，该套接部设有相同高度且相面对的二接触介面基板及一套接空间，该二接触介面基板各设有绝缘层且两者的间隔为该套接空间，该套接部可正反双向插入该标准型电连接母座的连接槽，该二接触介面基板的高度皆可套入该小空间，且设有一定位构造，该定位构造定位该二接触介面基板的绝缘层。