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(54) Title: ELECTRICALLY CONDUCTIVE LOOP OF CIRCUIT BREAKER

(54) 发明名称: 断路器的导电回路

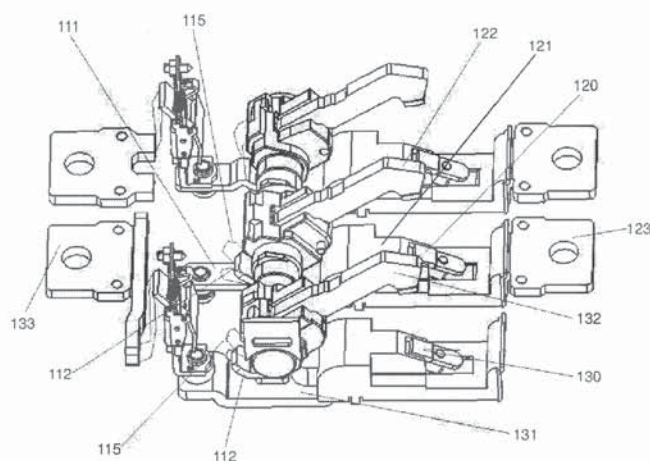


图 1a

(57) Abstract: An electrically conductive loop of a circuit breaker, comprising: an infeed contact group (121, 122), an outfeed contact group (131, 132) and a conductive assembly (115, 111, 112). The infeed contact group (121, 122) is connected to an infeed terminal (123), while the outfeed contact group (131, 132) is connected to an outfeed terminal (133). The conductive assembly (115, 111, 112) includes a soft-connected assembly (115) and a hard-connected assembly (111, 112); the hard-connected assembly (111, 112) is fixed on a base of the circuit breaker; the soft-connected assembly (115) is connected to the infeed contact group (121, 122) and the outfeed

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contact group (131, 132); the soft-connected assembly (115) and the hard-connected assembly (111, 112) are connected to provide an electrically conductive loop between the infeed contact group (121, 122) and the outfeed contact group (131, 132). The infeed contact group (121, 122) and the outfeed contact group (131, 132) are mounted coaxially. By combining a soft connection and a hard connection, the electrically conductive loop utilizes the flexibility of the soft connection to render the installation of contact groups more flexible and convenient, and utilizes the hard connection to obtain reliable and stable conductive paths, thus achieving a balance between installation efficiency and installation quality.

(57) 摘要: 一种断路器的导电回路, 包括: 进线触头组(121, 122)、出线触头组(131, 132)和导电组件(115, 111, 112)。进线触头组(121, 122)连接到进线端(123), 出线触头组(131, 132)连接到出线端(133)。导电组件(115, 111, 112)包括软连接组件(115)和硬连接组件(111, 112), 硬连接组件(111, 112)固定在断路器的基座上, 软连接组件(115)连接到进线触头组(121, 122)和出线触头组(131, 132), 软连接组件(115)和硬连接组件(111, 112)相连以提供进线触头组(121, 122)和出线触头组(131, 132)之间的导电回路。进线触头组(121, 122)和出线触头组(131, 132)同轴安装。该导电回路借助于软连接和硬连接的组合, 利用软连接的灵活性使得触头组的安装更加灵活方便, 利用硬连接来获取可靠稳定的导电通路, 达到装配效率和装配质量的平衡。