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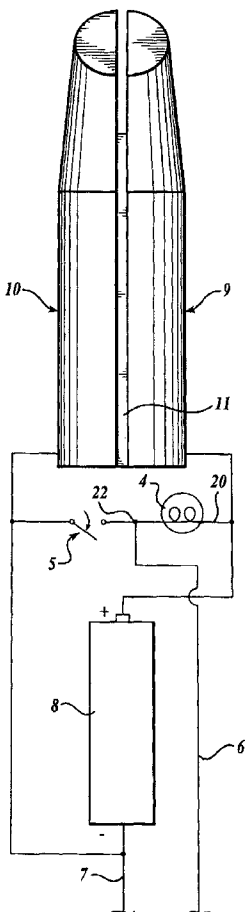
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(54) Title: CORDLESS SOLDERING IRON



(57) Abstract: A soldering iron comprises a graphite tip having two separate halves (9, 10) that are electrically isolated from each other. When both halves of the tip are applied to an electrically conductive material, such as the material to be soldered, an electrical circuit between the tip halves (9, 10) and an electrical power source (8) is completed. Therefore, the tip can reach operating temperatures quickly. When the tip is removed from the joint, the electric circuit is broken and the tip material may quickly cool to a safe temperature. The tip material permits higher power outputs than other battery operated portable soldering irons.

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