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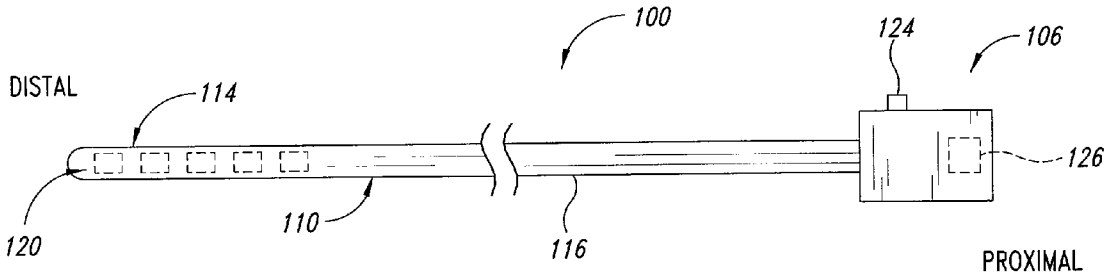
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(54) Title: LIGHT DELIVERY SYSTEM




(57) Abstract: A light delivery system to provide light treatment to a patient includes a catheter assembly having a plurality of light sources that transmit light towards a target site within a patient. In one embodiment, the light delivery system has a plurality of light sources mounted to a flexible transparent base that extends at least partially through a distal tip of the catheter assembly. The light sources can be wire bonded or mounted in a flip chip arrangement onto the base. In one embodiment to produce the distal tip, an array of light energy sources can be held by an array of holders of a fixture device. A vacuum is applied to secure each light energy source in a corresponding holder. While the vacuum is applied, the energy sources are electrically connected by wire bonding. The vacuum can be reduced or stopped thereby permitting removal of the light energy sources from the fixture device.

WO 2008/046015 A1