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(54) **PULSE OXIMETRY EAR SENSOR**

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(57) **ABSTRACT**

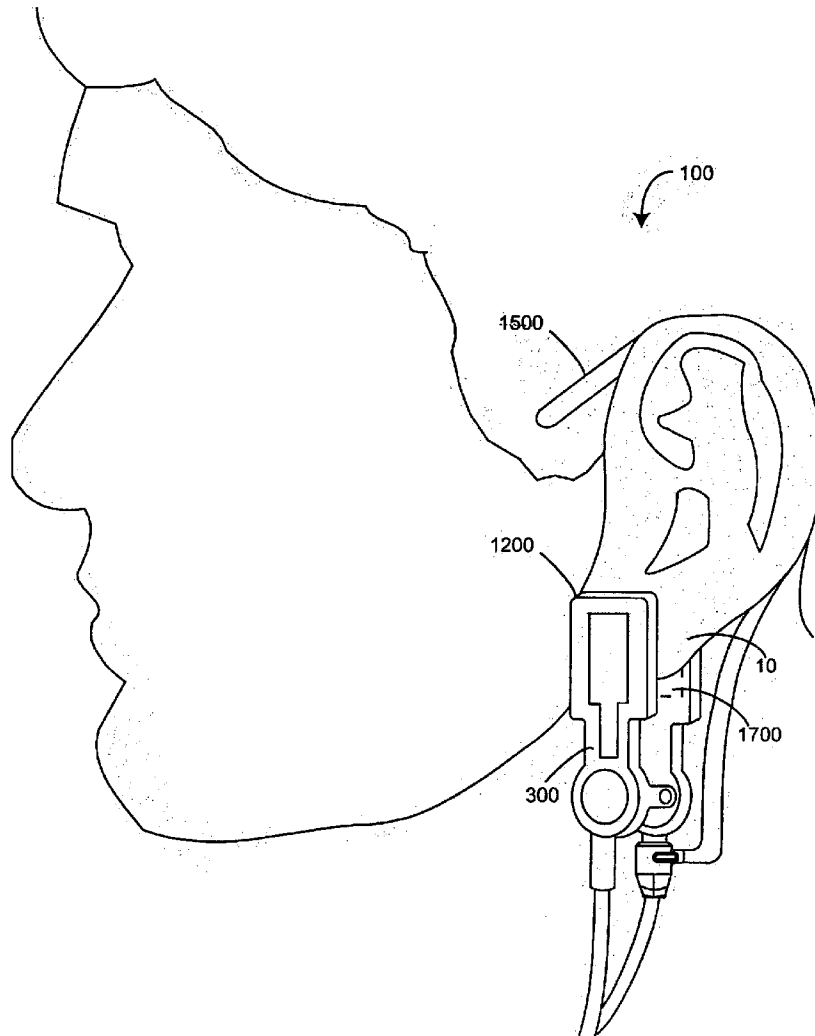
An embodiment of an ear sensor assembly comprises an emitter pad and a detector pad. A clip is configured to removably retain each of the pads. The clip has an open position for placement on an ear tissue site and a closed position for securing the pads to opposite sides of the site. The assembly includes a sensor connector adapted to electrically communicate with a host instrument. A sensor cable has a first end terminating at the pads and a second end terminating at the sensor connector and provides electrical communications between the pads and the connector. In one embodiment, one or more silicone lenses or removable adhesive tabs aid in relieving patient discomfort and pressure necrosis.

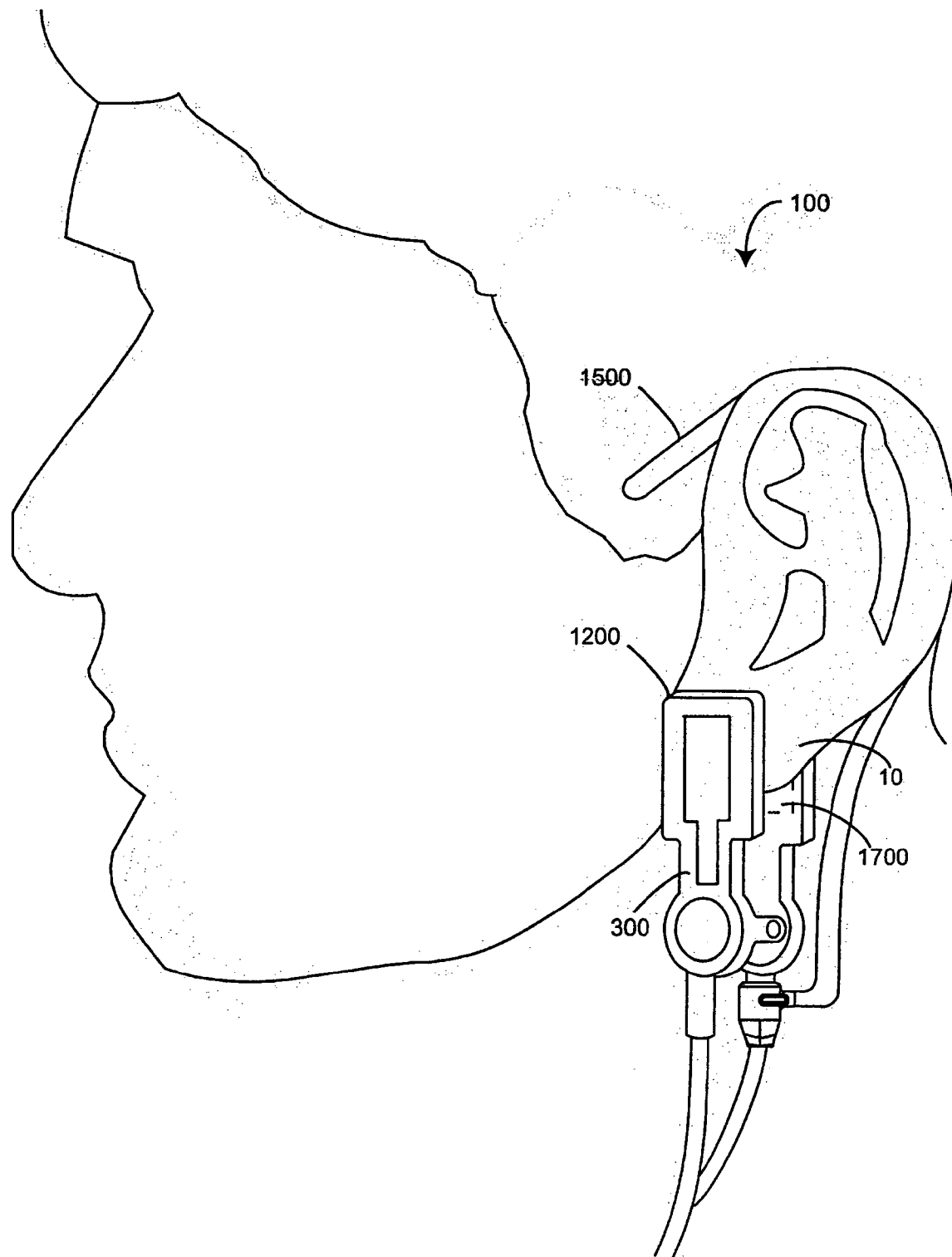
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**Related U.S. Application Data**

(60) Provisional application No. 60/412,281, filed on Sep. 21, 2002. Provisional application No. 60/410,499, filed on Sep. 14, 2002.





*FIG. 1*

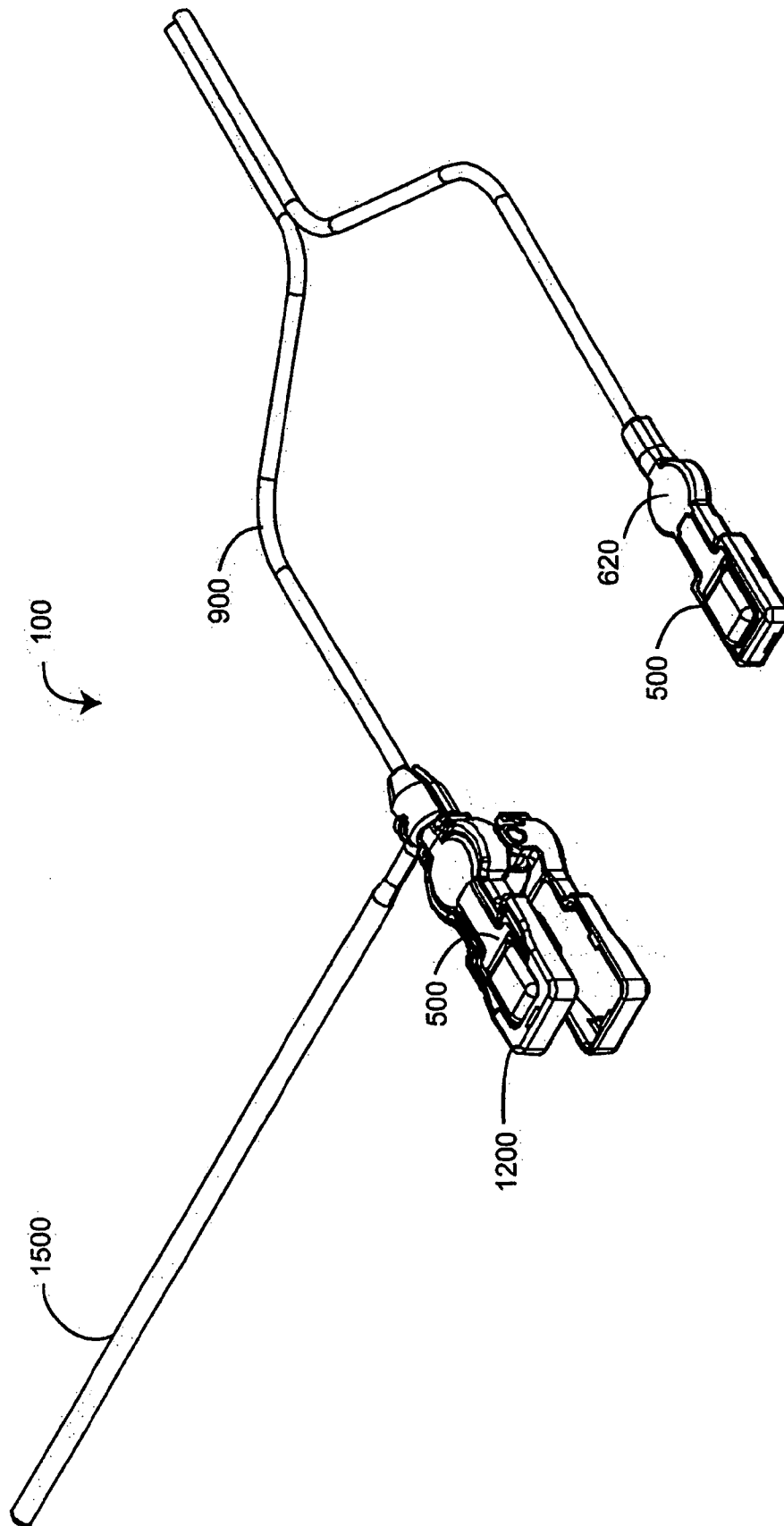


FIG. 2

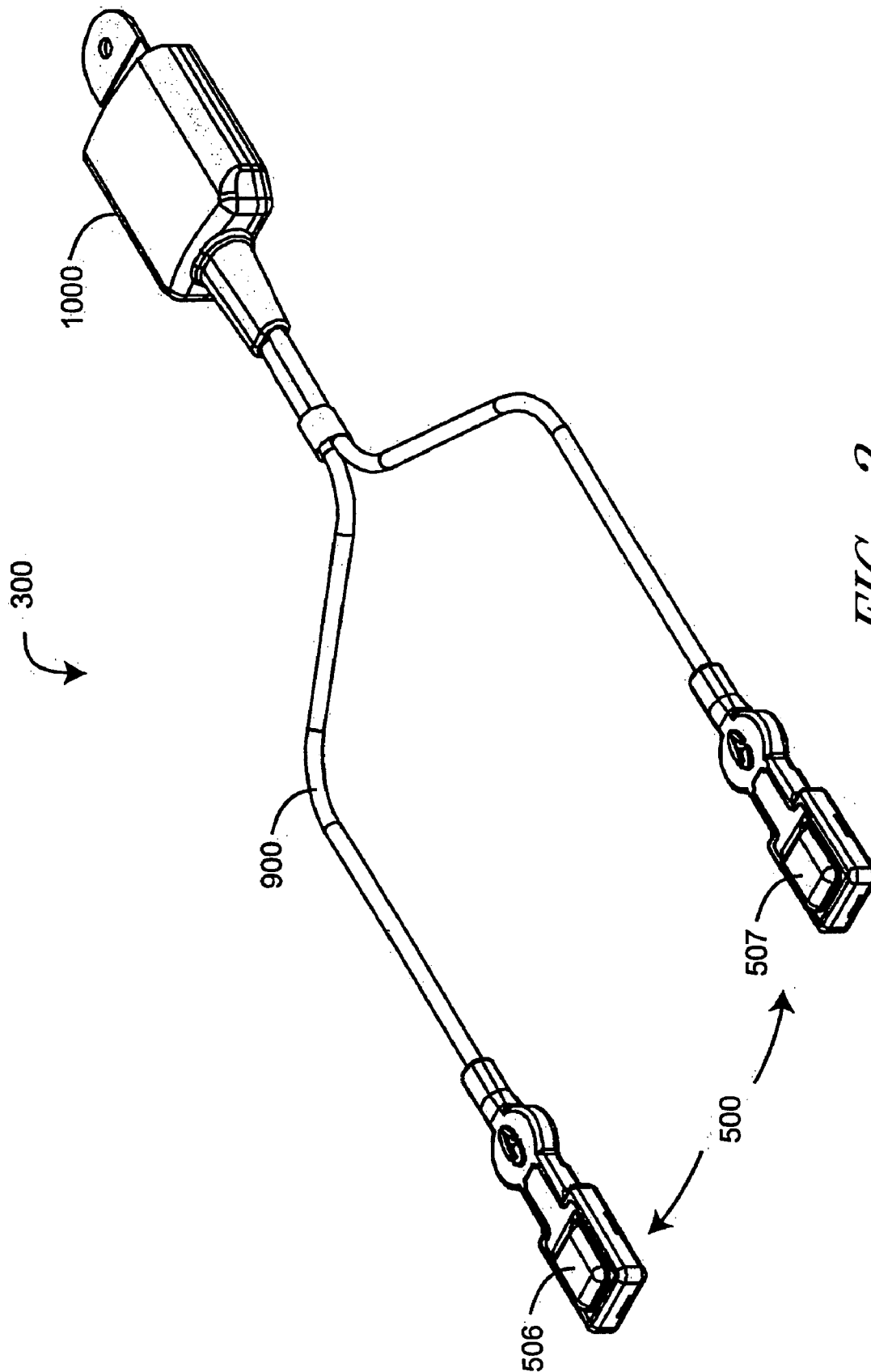


FIG. 3

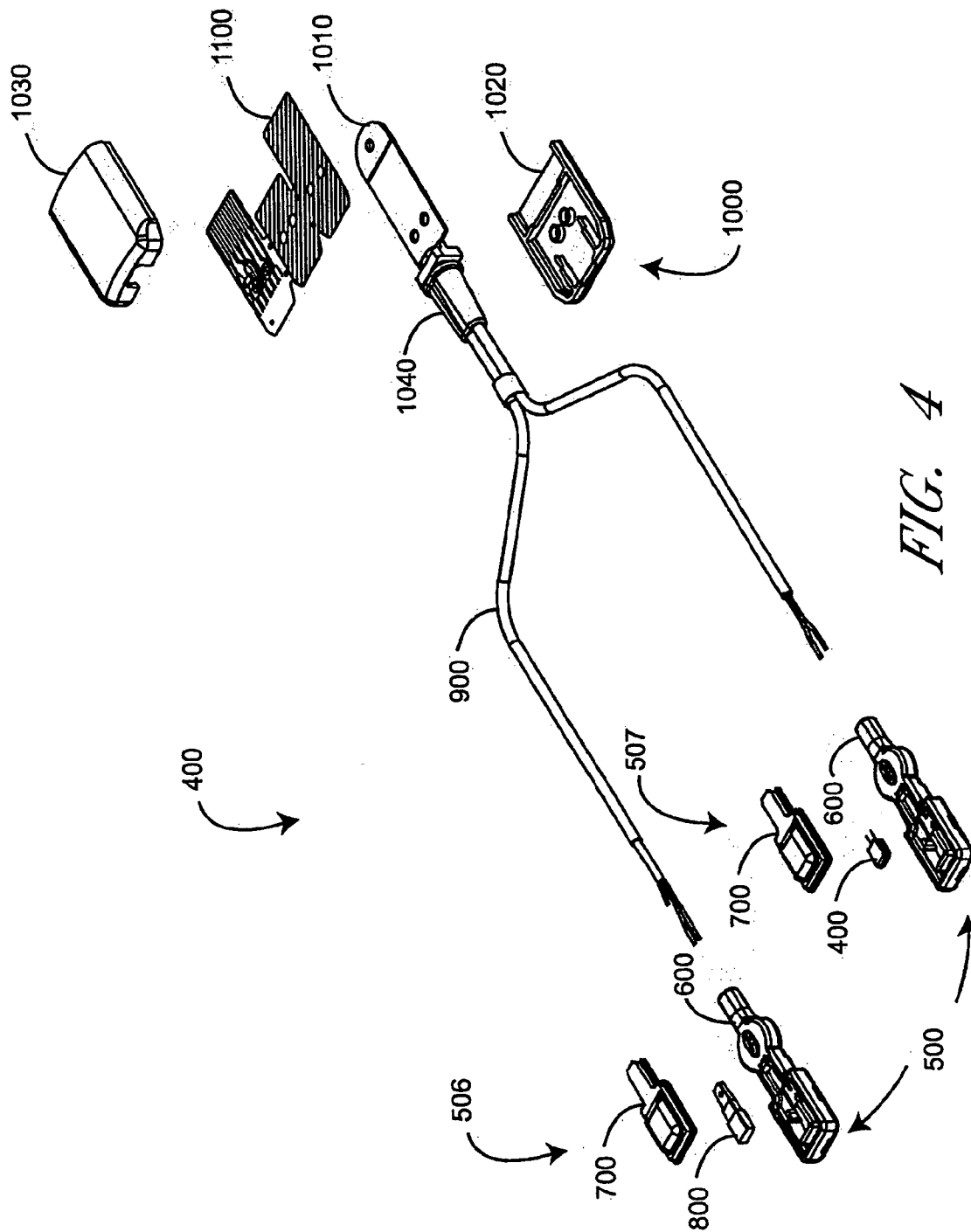


FIG. 4

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