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(54) **LIGHT-EMITTING DIODE CURRENT STEERING DEVICE**

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(57) **ABSTRACT**

The present invention provides a light-emitting diode current steering device for enhancing the light extraction efficiency of the light-emitting diode and improving current-steering, comprising: a contact electrode; a substrate connected to the contact electrode; a first electrode connected to the substrate; a first semiconductor layer electrically connected to the first electrode; the light-emitting layer electrically connected to the first semiconductor layer; the second semiconductor layer electrically connected to the light-emitting layer; the second electrode having a main electrode and a plurality of extension electrodes; a current steering layer disposed between one side of the second semiconductor layer and one side of the second electrode and having a main semiconductor layer and an etching layer etched with the second electrode as a pattern reference to increase the resistance by etching so that the current flows in the direction toward the main semiconductor layer to achieve a steering effect.

