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(54) **PANEL STRUCTURE AND PREPARING METHOD THEREOF**

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(57) **ABSTRACT**

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Provided are a panel structure and a preparing method thereof. The panel structure comprises a glass substrate, a first insulating layer, a semiconductor device layer, and a second insulating layer. The second insulating layer coincides with the first device part in a direction perpendicular to a thickness of the glass substrate, and an energy band gap of a second material of the second insulating layer is less than an energy band gap of a first material of the semiconductor device layer.

