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(54) **DISPLAY PANELS AND DISPLAY APPARATUSES**

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ABSTRACT

Disclosed are display panels and display apparatuses. A display panel includes a base substrate, a light-emitting layer located on the base substrate, an insulating material structure, a color conversion layer, and an auxiliary layer. The light-emitting layer includes a plurality of light-emitting structures arranged at intervals. The insulating material structure is located on a side of the light-emitting layer facing away from the base substrate, and includes organic and inorganic layers arranged alternately. The color conversion layer is located on a side of the insulating material structure facing away from the base substrate, and includes a plurality of color conversion portions with a shading portion located between adjacent color conversion portions. The auxiliary layer has an orthographic projection on the base substrate covering an orthographic projection of the shading portion on the base substrate, the auxiliary layer is in direct contact with adjacent organic and inorganic layers in the insulating material structure, respectively, and the auxiliary layer has a refractive index that is less than a refractive index of the organic layer in direct contact with the auxiliary layer and less than a refractive index of the inorganic layer in direct contact with the auxiliary layer.

