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(54) **DISPLAY SUBSTRATES AND THEIR
MANUFACTURING METHODS, AND
DISPLAY DEVICES**

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ABSTRACT

The present application provides display substrates and their manufacturing methods, and display devices. A display substrate includes a base substrate, an encapsulation layer, a filter layer and optical film layers. The encapsulation layer is located on the base substrate. The filter layer is located in the encapsulation layer. The filter layer includes black matrixes. The black matrixes include black matrix openings. The optical film layers are located on a side of the encapsulation layer away from the base substrate. The optical film layers are configured to transmit part of incident light and absorb part of the incident light. A light transmittance of the optical film layers is larger than that of the black matrixes. The optical film layers include optical film layer openings. Projections of the optical film layer openings on the base substrate are located within projections of the black matrix openings on the base substrate.

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