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(54) **Solid-state imaging device, method for processing signal of solid-state imaging device, and imaging apparatus**

(57) A solid-state imaging device includes a color filter unit disposed on a pixel array unit including pixels two-dimensionally arranged in a matrix and a conversion processing unit disposed on a substrate having the pixel array unit thereon. The color filter unit has a color arrangement in which a color serving as a primary component of a luminance signal is arranged in a checkerboard pattern and a plurality of colors serving as color information components are arranged in the other area of the checkerboard pattern. The conversion processing unit converts signals that are output from the pixels of the pixel array unit and that correspond to the color arrangement of the color filter unit into signals that correspond to a Bayer arrangement and outputs the converted signals.

FIG. 4

