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ABSTRACT

SOLID STATE IMAGER DEVICES

A solid state imager device having an electronic shutter function, and suitable for use in a video camera or an electronic still camera, has a semiconductor substrate (1) of a first conductivity type, a region (2) of second conductivity type formed on the substrate (1), and a signal charge accumulating region (3) formed on the surface side of the second conductivity type region (2). A predetermined voltage is applied to the substrate (1) of the first conductivity type, and the signal charges accumulated in the signal charge accumulating region (3) are discharged to the substrate (1), whereby the exposure time of the solid state imager device can be controlled.

Figure 1