162162

G00002

ABSTRACT

DISPLAY DEVICE AND PHOTOELECTRIC CONVERSION DEVICE

A display device has display elements provided inside of pixels, each being formed in vicinity of intersections of signal lines and scanning lines aligned in matrix form; and photoelectric conversion elements, wherein each of the photoelectric conversion elements includes first, second and third semiconductor regions disposed adjacently in sequence in parallel to a surface of a substrate; a first electrode connected to the first semiconductor region; and a second electrode connected to the third semiconductor region, the first semiconductor region being formed by injecting a first conductive impurity in first dose amount; the third semiconductor region being formed by injecting a second conductive impurity in second dose amount; and the second semiconductor region being formed by injecting the first conductive impurity in third dose amount less than the first dose amount.

Fig. 6