

PHOTODETECTOR AND METHOD FOR FORMING THE SAME

ABSTRACT

5 According to embodiments of the present invention, a photodetector is provided. The photodetector includes a substrate having a first side and a second side opposite to the first side, the substrate being adapted to receive light incident on the photodetector on the first side of the substrate, a plurality of cells formed in the substrate, and at least one trench defined by a first sidewall and a second sidewall, wherein a spacing between the
10 first sidewall and the second sidewall increases in a direction from the first side of the substrate towards the second side, wherein a respective trench of the at least one trench is arranged in between adjacent cells of the plurality of cells. According to further embodiments of the present invention, a method for forming a photodetector is also provided.

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Figure 3B