

(54) Title of the invention : CHARGE PLASMA PEROVSKITE SOLAR CELL DEVICE

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(57) Abstract :

According an embodiment, the present disclosure provides a charge plasma perovskite solar cell device 100. The device 100 includes a top layer 106 being a charge carrier, front IDA electrode blocks 104 positioned between top surface of insulating layer 102 and the top layer 106, such that an electrical contact is formed between the first metal 104 and the top layer 106. Back IDA electrode blocks 108 placed on bottom surface of the insulating layer 102, such that the back IDA electrode blocks 108 is not interconnected with the front IDA electrode blocks 104, wherein electron-hole charge plasma is created in the absorber layer near the front surface of the insulating layer 102. FIG. 1

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