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ISOGAI et al.(10) **Pub. No.: US 2022/0352877 A1**(43) **Pub. Date: Nov. 3, 2022**(54) **OPTICAL LATCH CIRCUIT AND
ELECTRONIC DEVICE****Publication Classification**(51) **Int. Cl.**
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Yoshifumi YOSHIDA, Chiba-shi (JP);
Fumiyasu UTSUNOMIYA, Tokyo (JP)(57) **ABSTRACT**

According to the present invention, an optical latch circuit includes a voltage detector configured to compare a first power generation voltage input from a first input terminal with a preset first threshold voltage and output a set signal from a determination output terminal when the first power generation voltage exceeds the first threshold voltage, a first photovoltaic element connected between the first input terminal and a grounding point in a forward direction and configured to output a first power generation voltage to the first input terminal according to photovoltaic power when light is radiated, and a feedback resistor inserted between the first input terminal and the determination output terminal.

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