

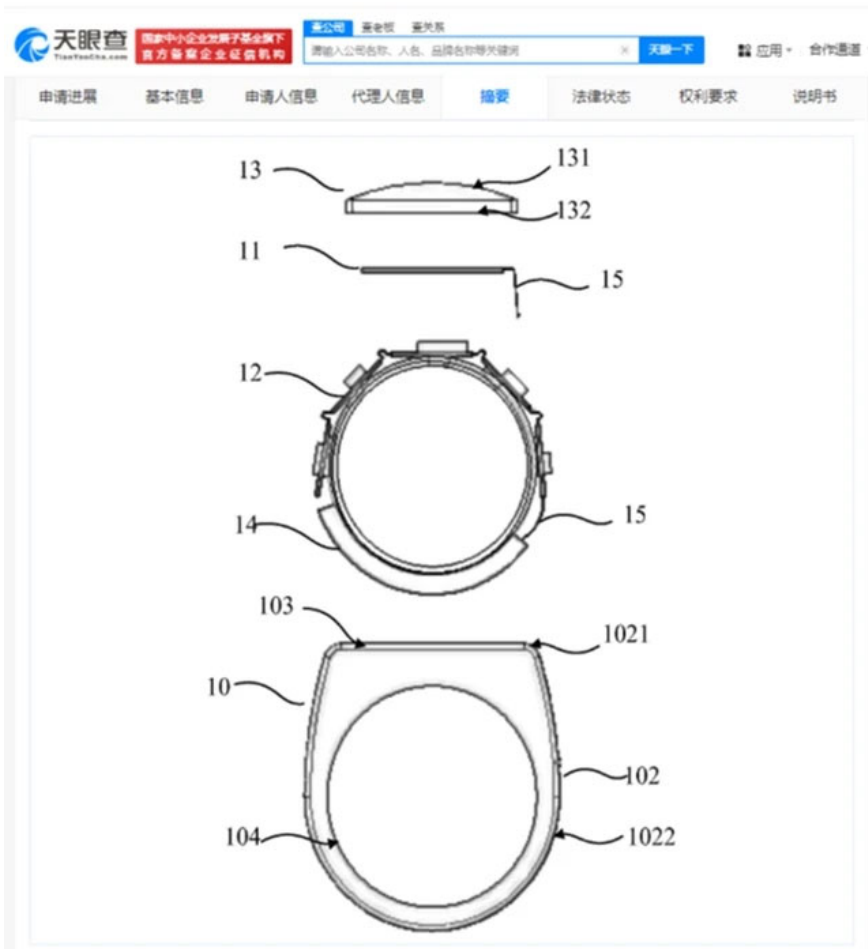
# Xiaomi develops a smart ring powered by solar energy

Xiaomi's patent application for using solar energy to charge future wearable devices, including even smart rings, has been approved.

According to a report, this patent aims to solve the problem of battery life in low-power wearables, which are often very small and cannot accommodate large batteries inside.

Xiaomi's patent application attracted a lot of attention because it can apply to many different devices, which can be designed to meet the needs and preferences of different user groups.

The patent description shows that these main components include solar panels along with all other hardware devices cleverly placed in the device case to form an energy storage and conversion system. Compact and efficient.



According to Xiaomi's description, the solar panel and battery are electrically connected to the control circuit board to use solar energy. Inside the housing there is a special light concentrator consisting of an incoming light surface and an outgoing light surface directed directly at the solar panel, significantly increasing the amount of light shining on the solar panel and improving the use of light energy.

Although it doesn't generate a lot of power, this light concentrator could reduce or even completely eliminate the need for charging, as these wearable devices don't need much power to operate.

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