

《三星手机的救星？自带“灭火器”的电池问世》

美国科学家近日研发出一款自带“灭火器”的电池，难道这就是传说中三星手机的救星？



Researchers have designed a lithium-ion battery that contains a fire-extinguishing material, which is released if the battery gets too hot.

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Flame retardant triphenyl phosphate (TPP) sits inside a shell within the electrolyte fluid. The shell melts when the temperature reaches 150C (302F), releasing the chemical compound.

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In tests, battery fires were extinguished in 0.4 seconds.

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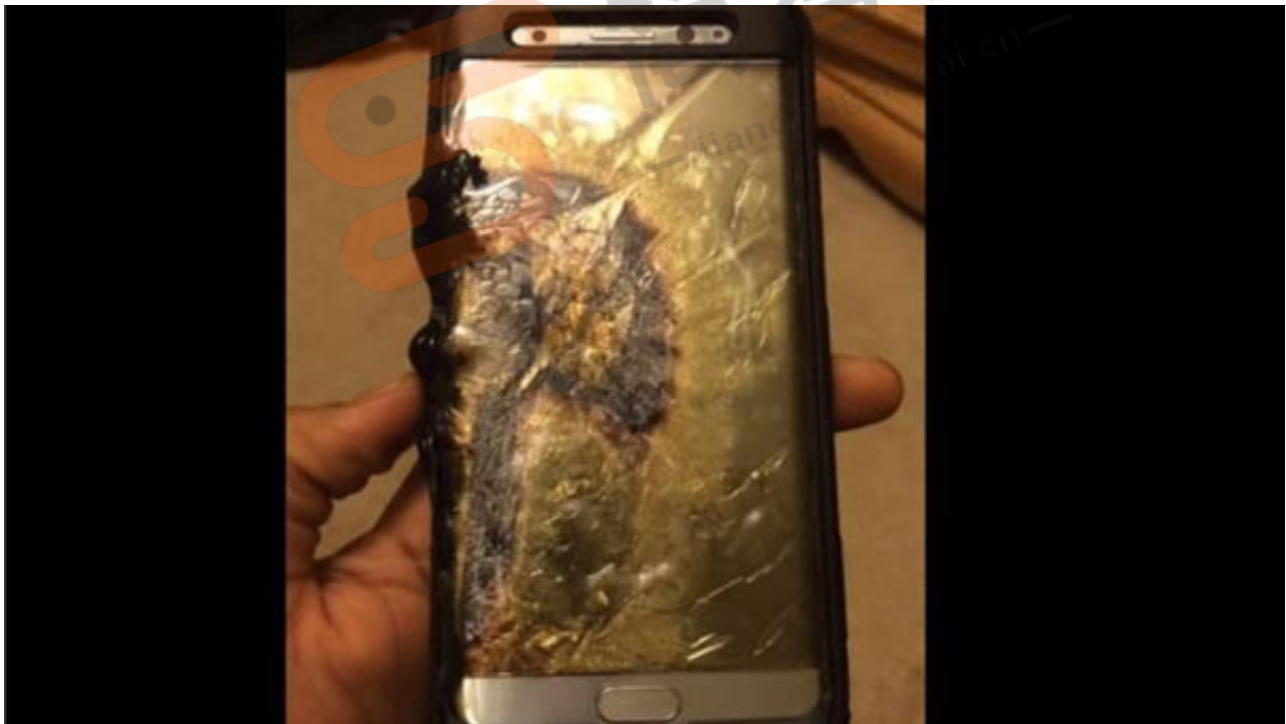
Lithium-ion batteries power many devices but are a known fire hazard.

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However, the firm would not confirm that this was their conclusion.

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"We understand the need for answers and appreciate your continued patience as well as that of our valued customers, partners and stakeholders," it said in a statement.

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"We are working diligently to ensure that we have a comprehensive update and will provide more information in the coming weeks once we have the final report."

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Battery technology has been slower to evolve than the many battery-powered devices that rely on it, said Ian Fogg, senior analyst at IHS.

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"There is enormous pressure to improve battery tech. It's one of the areas that's holding back mobile devices and a range of other products," he told the BBC.

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"Manufacturers have been balancing out consumer demand for longer-lived batteries, and more powerful devices with better graphics and larger more detailed displays, with the sophistication of battery tech.

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"It's very difficult to push up the capacity of batteries and there is always a risk that a battery in any device could fail."

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