

Novel Materials for High Temperature Organic Electronics

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Categories:

- Chemistry and Chemical Analysis
- Materials and Manufacturing

Keywords:

- Biomaterials
- Chemistry and Chemical Analysis
- Electronics
- Materials and Manufacturing
- Organic Chemistry
- Temperature

Electronics have a tendency to generate considerable amounts of heat. Overheating is a known problem in most electronic devices. In inorganic devices, cooling is typically used to physically lower the total temperature. For organic electronics, no such solution has been reported. There is need of a method for allowing organic devices to function properly under extensive heat.

Researchers at Purdue University have developed a new class of organic materials that can operate under high temperatures. This technology would be suitable for innumerable electronic devices.

Advantages:

- High temperature threshold
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Potential Applications:

- Electronic devices

People:

- Mei, Jianguo (Project leader)
- Gumyusenge, Aristide

Intellectual Property:

Application Date: May 24, 2019

Type: Utility Patent

Country of Filing: United States

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Contact OTC:

Purdue Office of Technology Commercialization

1801 Newman Road

West Lafayette, IN 47906

Phone: (765) 588-3475

Fax: (765) 463-3486

Email: otcip@prf.org