

# Hybrid Tandem Solar Cells With Improved Tunnel Junction Structures

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## The Invention

Tandem solar cells comprising two or more solar cells connected in a solar cell stack via pn diode tunnel junctions and methods for fabricating the tandem solar cells using epitaxial lift off and transfer printing are provided. The tandem solar cells have improved tunnel junction structures comprising a current tunneling layer integrated between the p and n layers of the pn diode tunnel junction that connects the solar cells.

# **Additional Information**

#### For More Information About the Inventors

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### **Related Intellectual Property**

• View Divisional Patent in PDF format.

#### **Tech Fields**

- Clean Technology: Solar, wind & water technologies
- Semiconductors & Integrated Circuits: Design & fabrication

For current licensing status, please contact Jeanine Burmania at  $\underline{\text{jeanine}} \underline{\text{@warf.org}} \text{ or } 608\text{-}960\text{-}9846$ 



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