



Additive Manufacturing With Curable Compositions

[View U.S. Patent No. 11,597,145 in PDF format.](#)

WARF: P190276US02

Inventors: Andrew Boydston, Chang-Uk Lee

The Invention

Methods for additive manufacturing are provided. In embodiments, such a method comprises illuminating a photothermal base with light, the photothermal base comprising a photothermal material and mounted in an additive manufacturing system to form a first interface between a surface of the photothermal base and a curable composition comprising thermally curable components, wherein the light induces light-to-energy conversion in the photothermal base to generate heat at the first interface, thereby inducing curing of the thermally curable components to form a first cured region. Additive manufacturing systems and photothermal bases are also provided.

Additional Information

For More Information About the Inventors

- [Andrew Boydston](#)

Tech Fields

- [Materials & Chemicals : Polymers](#)

For current licensing status, please contact Justin Anderson at janderson@warf.org or 608-960-9853