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(54) Title: METHOD FOR CURING THERMOSETTING POLYMERS

(57) Abstract: A method for curing thermosetting polymers is disclosed. A thermosetting polymer precursor is deposited on a substrate. After the thermosetting polymer precursor has been preheated, the thermosetting polymer precursor is then exposed to a light pulse from a flashlamp while it is being cooled simultaneously in order to maintain an average temperature of the thermosetting polymer precursor at below its maximum working temperature. After the thermosetting polymer precursor has been exposed to the light pulse, a by-product is allowed to dissipate from the thermosetting polymer precursor. The light pulse exposure step and the by-product dissipation step are repeated multiple times until a thermosetting polymer thin film is formed.



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