



A Solvent-Based Plastic Recycling Method to Remove Inks and Produce Clear Films

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The Invention

Researchers at UW-Madison, working with a collaborator at Michigan Tech, have developed several new innovations to enhance solvent-based plastics recycling processes, focused on removal of ink pigments and solvent recycling. These innovations include: 1) selecting a solvent with low solubility of ink pigments and the decomposition products of these ink pigments, 2) using a uniquely designed piece of equipment to precipitate the polymer solution and mechanically remove solvent from the precipitate before thermal drying, and 3) an adsorption bed that is used to clean the recovered solvent stream.

Additional Information

For More Information About the Inventors

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Tech Fields

- [Clean Technology : Other clean technologies](#)

For current licensing status, please contact Jennifer Gottwald at jennifer@warf.org or 608-960-9854