



Colorado School of Mines Office for Technology Transfer

Process to Recycle End of Life CdTe Modules and Manufacturing Scrap

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Description: This invention reports a novel method for recycling of thin film Cadmium Telluride photovoltaic modules at the end of their life, and manufacturing scrap. This process allows for minimum glass fine generation, requires little or no acid compared to other methods, and generates a pure cadmium and tellurium product at recoveries in excess of 80 percent. In addition, the process allows for the recovery of a clean soda-lime plate glass product.

Potential Areas of Application

- Photovoltaic recycling
- Reapplication of recovered Cadmium Telluride

Main Advantages of this Invention

- Eighty percent yield
- Little to no acid needed
- Solves technical concerns of current system

Intellectual Property Status: Provisional patent filed June 21, 2011

ID number: US Patent application 61/499,293

Opportunity: We are seeking an exclusive or non-exclusive licensee for marketing, manufacturing, and sale of this technology.

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