

Inventions & Innovation Emerging Technology

BEI Cellulose Hydrolysis Process

The BEI Cellulose Hydrolysis Process uses a double tubular reactor that is precisely controlled to convert cellulose into a high sugar content material. The second stage of the process also recovers heat and chemicals that can be reused in the first stage, thereby providing energy and economic savings. The process hydrolyzes cellulose to pentose, hexose, or glucose sugars at the point of use. These sugars may then be yeast-fermented to ethanol or other organic chemicals as commercial products.



Contact

*Brelsford Engineering, Inc.
8655 Bridger Canyon Road
Bozeman, Montana 59715*

*Contact: Donald Brelsford
Telephone: 406-586-7272
Email: brelsfordengine@aol.com*



U.S. Department of Energy
Energy Efficiency and Renewable Energy