

ABSTRACT

MIXED SUPER CRITICAL FLUID HYDROLYSIS AND ALCOHOLYSIS OF CELLULOSE TO FORM GLUCOSE AND GLUCOSE DERIVATIVES

The present invention relates to a process for generating glucose and glucose derivatives from the direct contacting of cellulose, hemicelluloses and /or polysaccharides with a mixed super critical fluid system of alcohol and water whereby the partial pressure of the system provides for both alcohol lysis and hydrolysis of the material to generate primarily glucose, and glucose derivatives.