

Production of Liquid Fuel by Biomass Gasification

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Abstract

Biomass is a domestically produced energy source that provides an alternative to fossil fuels. Because the origin of this energy involves carbon dioxide being absorbed from the air, the carbon dioxide generated during combustion does not result in a net emission of CO₂; biomass has therefore been promoted from the standpoint of both energy security and global environmental issues. However, the areas where biomass is generated have a wide geographic distribution, and there are issues associated with the means and costs of collecting the raw materials. Developing methods for utilizing biomass that facilitate storage and transport is also required.

Considering the above issues, we are developing biomass gasification methanol production technology that enables production of liquid fuel from biomass.