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TOPIC(s) : Biomass conversion

Catalytic pyrolysis of biomass towards monomers

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PURPOSE OF THE ABSTRACT

Pyrolysis consists in the oxygen-free thermo-chemical transformation of a carboneous material into an oil. The goal is to decompose a polymeric material into smaller molecules without reaching total combustion. Certech has been working on the development of a continuous reactor to perform flash pyrolysis on local biomass and to transform it into a pyrolytic oil. After purification, the ultimate goal is to use the different fractions obtained into polymer chemistry.

FIGURES

FIGURE 1

FIGURE 2

KEYWORDS

pyrolysis | biomass | purification

BIBLIOGRAPHY