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(54) Title: PROCESS FOR THE PRODUCTION OF BIO-OIL COUPLING MICROWAVE HYDROLYSIS PRETREATMENT OF  
BIOMASS WASTE AND THE FERMENTATION OF MICROORGANISMS

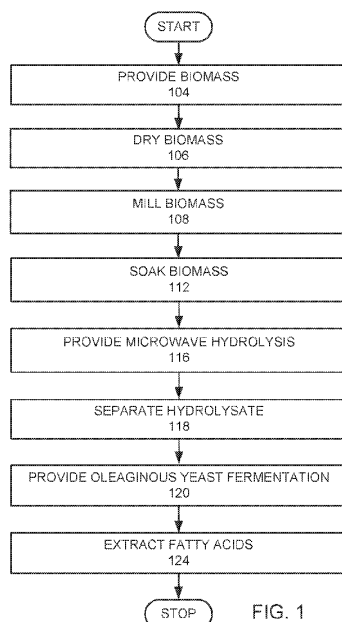


FIG. 1

(57) Abstract: A method for producing bio-oil using cellulosic or lignocellulosic biomass as an input is provided. Microwave hydrolysis of the cellulosic or lignocellulosic biomass is used as a pretreatment method to extract fermentable sugars from the cellulosic or lignocellulosic biomass. An oleaginous yeast is fermented using the extracted fermentable sugars to produce a bio-oil.

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