

ABSTRACT

METHOD AND APPARATUS FOR CONVERTING A PLASTIC WASTE INTO OIL

A method of converting a plastic waste into oil by decomposing the plastic waste by a reaction using water in a supercritical or near supercritical region as a reaction medium. In this method, the reaction is conducted by using a tubular continuous reactor. The present invention further provides an apparatus therefor. Moreover, the present invention provides a method of converting a plastic waste into oil by conducting the reaction after hydrogen chloride is removed by performing the pyrolysis of the plastic waste in the case that the plastic waste contain chlorine. The present invention further provides an apparatus for performing this method.

(Figure 1)