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(54) Title: REFINING METHOD AND DEVICE OF WASTE PLASTIC PYROLYSIS OIL

(57) Abstract: The present disclosure provides a method for refining waste plastic pyrolysis oil, the method including: a first step of mixing a dechlorinating solution containing a polar aprotic solvent and water and waste plastic pyrolysis oil to form a mixed oil; a second step of allowing the mixed oil in the first step to stand and separating the dechlorinating solution located at a lower portion to obtain pre-treated waste plastic pyrolysis oil; a third step of performing a dechlorination reaction by hydrotreating the pre-treated waste plastic pyrolysis oil in the second step at a first temperature in the presence of a hydrotreating catalyst; and a fourth step of performing a denitrification reaction by hydrotreating a product produced in the third step at a second temperature in the presence of a hydrotreating catalyst.



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