

ABSTRACT

A manufacturing method of a hydrogenated petroleum resin of the invention includes: a thermal polymerization step of thermally polymerizing a cyclopentadiene compound and a vinyl aromatic compound; a hydrogenation reaction step; and a volatile-component removal step, in which the volatile-component removal step is performed using a volatile-component removal device (10) including: a pressuring device (11) configured to pressurize a reaction mixture; a heater (12) configured to heat the reaction mixture pressurized by the pressuring device (11) under pressure; a decomposition unit (13) including a decomposition space, a pressure of which is reduced and into which the pressurized and heated reaction mixture is flowed; and a path member (14) including a flow path through which the reaction mixture passes and provided in the decomposition space so that the reaction mixture flowed in the decomposition space of the decomposition unit (13) passes through the flow path.