

Abstract

METHOD FOR STOPPING CONTINUOUS POLYMERIZATION

5 A method of stopping the continuous polymerization with
a simple operation in which the content temperature increase
of a reaction vessel can be prevented and the continuous
polymerization can be stopped stably, when manufacturing the
polymer by continuous polymerization can be provided by:
10 a method of stopping a continuous polymerization which
comprises continuously supplying a monomer and a
polymerization initiator into a reaction vessel to
polymerize the monomer in the reaction vessel; and
continuously removing a polymerization composition from an
15 inside of the reaction vessel to an outside of the reaction
vessel,
wherein, the method comprises:
discontinuing the supply of the polymerization initiator
into the reaction vessel, and
20 continuously supplying a monomer-containing raw material
having a dissolved oxygen concentration of 0 to 5 ppm into
the reaction vessel at a flow rate in a range of 1/500 to
1/10 of a flow rate of a raw material supplied at the
polymerization reaction,
25 in the state that the stirring in the reaction vessel and
the removal of the polymerization composition to the outside
out of the reaction vessel are continued.

Fig. 1