

ABSTRACT OF THE DISCLOSURE

CONTINUOUS POLYMERIZATION APPARATUS AND

PROCESS FOR PRODUCING POLYMER COMPOSITION

5       The present invention is directed to provide a novel continuous polymerization apparatus which is able to more efficiently produce a polymer composition having a variety of properties.

10       In a continuous polymerization apparatus, at least two reactors (10, 20) of a complete mixing type are used. Each of the reactors (10, 20) is provided with a supply port (11a, 21a) and an effluent port (11b, 21b); the respective supply ports (11a, 21a) of the two reactors (10, 20) are commonly connected to a supply source (1, 3) of a raw material monomer and a polymerization initiator; a flow control valve (8) is installed on a raw material supply line (9) for supplying a mixture comprising the raw material monomer and the polymerization initiator from the supply source (1, 3) of the raw material monomer and the polymerization initiator to the respective supply ports (11a, 21a) of the two reactors (10, 20); and the respective effluent ports (11b, 21b) of the two reactors (10, 20) are connected to a common effluent line (27).

25       Figure 1