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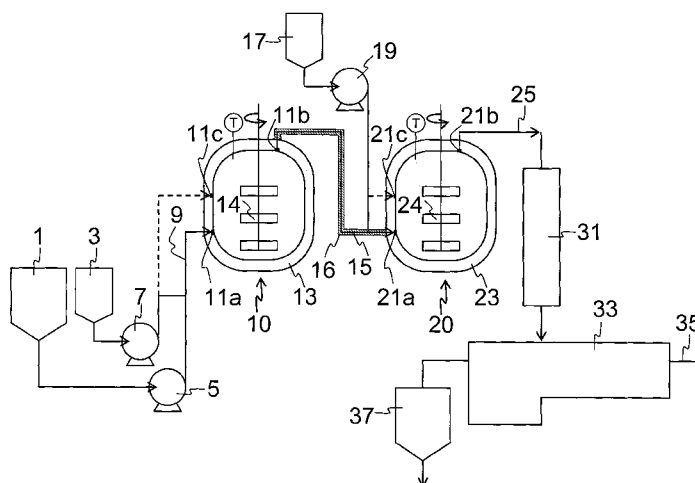
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(54) **Title:** CONTINUOUS POLYMERIZATION APPARATUS AND PROCESS FOR PRODUCING POLYMER COMPOSITION

Fig. 1



(57) **Abstract:** The present invention provides a novel continuous polymerization apparatus which is able to efficiently produce a polymer composition suitable for obtaining a resin composition with high quality. In a continuous polymerization apparatus, at least, a first reactor of a complete mixing type and a second reactor of a complete mixing type (10, 20) are used. Each of the reactors (10, 20) is provided with a supply port (11a, 21a), an effluent port (11b, 21b), and a temperature detecting means (T) for detecting a temperature in the reactor, wherein the supply port (11a) of the first reactor (10) is connected to the supply sources (1, 3) of a raw material monomer and a polymerization initiator, and the effluent port (11b) of the first reactor is connected through a connection line (15) provided with a cooling means (16) to the supply port (21a) of the second reactor (20). The cooling means (16) is controlled to make the temperature in the connection line adjacent to the supply port (21a) of the second reactor lower than the temperature in the first reactor (10).