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METHOD OF VAPOR PHASE POLYMERIZATION, VAPOR PHASE
POLYMERIZER AND BLOWER

ABSTRACT

A blower 100 for recycling a powder containing gas or for conducting a cyclone treatment thereof, which comprises a casing of blower body 108 having therein a slide or rotational slide part between its discharge side as a high pressure side and its suction side as a low pressure side, the above slide or rotational slide part being provided with a noncontacted gas leakproof seal part 166 at a clearance ranging from 0.7 to 2.5 mm. A vapor phase polymerization method is provided which is free from the problem that recycling gas such as unreacted gaseous olefin having been discharged from a fluidized bed reactor is formed into a stringy melt polymer or combined into powder to thereby clog a gas recycling pipe or is entrained to a gas recycling pipe or a distributor plate of a polymerizer to thereby cause clogging. Also, a vapor phase polymerizer suitably employed in the above method of vapor phase polymerization and blowers suitably employed in the vapor phase polymerization method and vapor phase polymerizer are provided.

Figure 1

This Sheet Has Been Replaced

