

**ISOBUTENE POLYMERISATION PROCESS****ABSTRACT**

A process for controlling the molecular weight distribution of polyisobutene formed during a liquid phase polymersiation reaction using a catalyst comprising boron trifluoride and taking place in a reactor having condensers associated with it which process involves introducing an electron donor above the level of liquid in the reactor to minimise the reaction of isobutene with free gaseous boron trifluoride in the condensers thereby minimising the formation of unwanted polymers.

No fig.