

ABSTRACT

METHOD FOR THE CONTINUOUS PRODUCTION OF POLYISOBUTYLENE

- 5 Continuous production of polyisobutylene having a content of terminal double bonds of greater than 50% by polymerization of isobutene in the presence of a polymerization catalyst usual therefor, by combining a technical 1-butene-, 2-butene- and isobutene-containing C4 hydrocarbon stream together with a stream of pure isobutene, and feeding the combined stream into the reaction zone in such a manner that the steady
- 10 state concentration of isobutene in the combined stream at the point where the combined stream is fed into the reaction zone has a value of on average at least 40% by weight, and the invention also relates to a polymerization system therefor.

(No Figure)