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Liao et al.

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(54) **METHOD FOR PRODUCING POLYESTER POLYOL**

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(57) **ABSTRACT**

A method for producing a polyester polyol is provided, which includes: feeding a first antioxidant and a raw material reactant that includes a polyacid and a polyol into a reactor; subjecting the polyacid and the polyol to an esterification reaction to form an oligomer; and performing a prepolymerization reaction on the oligomer to obtain a prepolymerization reactant. During the prepolymerization reaction, the method includes sampling and monitoring an acid value of the prepolymerization reactant. When the acid value of the prepolymerization reactant reaches a first acid value, an esterification reaction catalyst is added to the prepolymerization reactant for carrying out a polycondensation reaction and generating a polycondensation reactant that contains the polyester polyol. During the polycondensation reaction, the method includes sampling and monitoring an acid value of the polycondensation reactant. When the

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(58) **Field of Classification Search**

None

See application file for complete search history.

