

Title (en)

METHOD FOR PRODUCING HIGH-VISCOSITY OR HIGHLY-STABLE POLYCONDENSATES AND DEMONOMERIZED PA6

Title (de)

VERFAHREN ZUR HERSTELLUNG VON HOCHVISOSEN ODER HOCHSTABILISIERTEN POLYKONDENSATEN UND
ENTMONOMERISIERTEM PA6

Title (fr)

PROCEDE DE PRODUCTION DE POLYCONDENSATS DE HAUTE VISCOSITE OU HAUTEMENT STABILISES ET DE PA6 DEMONOMERISES

Publication

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Application

EP 02738083 A 20020517

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Abstract (en)

[origin: WO02096975A1] The invention relates to a method and a device for producing high-viscosity or highly stable polycondensates and demonomerized PA6 using vertical reaction stages. According to said method, the molten polycondensate is fed from a preliminary stage into the upper end of the reaction stage and is distributed by means of distribution devices and elements that increase the surface area. Waste reactant is removed from the flowing molten polycondensate using inert gas or a vacuum and is withdrawn from the reaction stage above the level of the molten polycondensate. The product residence time in the sump is selected in such a way that at the lower end of the reaction stage a polycondensate at chemical equilibrium is produced, part of which is re-supplied to the upper end of the reaction stage, the remaining part being withdrawn from the reaction stage, according to the selected throughput, for further use.

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Citation (search report)

See references of WO 02096975A1

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