

Title (en)

METHOD FOR THE CONTINUOUS PRODUCTION OF PLOYAMIDE GRANULES

Title (de)

VERFAHREN ZUR KONTINUIERLICHEN HERSTELLUNG VON POLYAMID-GRANULAT

Title (fr)

PROCÉDÉ DE PRODUCTION EN CONTINU DE GRANULES DE POLYAMIDE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2007128521A2] The invention relates to a continuous method for production of polyamide granules, comprising a hydrolytic polymerisation of a mixture of at least one lactam and water to give a low-viscosity polyamide melt at a pressure of at least 5 bar and granulation of the low-viscosity polyamide melt by direct droplet formation with maintenance of a pressure which corresponds to at least the vapour pressure of the water retained in the polyamide melt. The low-viscosity granules thus obtained can be condensed in a single-stage subsequent step by treatment with super-heated steam to give a higher viscosity and unreacted monomers and cyclic oligomers extracted and then dried. The invention is characterised by gentle conditions with reduced residence time and temperatures.

IPC 8 full level

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Citation (search report)

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Cited by

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