

Title (en)  
SELECTIVE DEPOLYMERISATION OF POLYAMIDE 6 TO PRODUCE CAPROLACTAM FROM MIXTURES OF CAPROLACTAM-CONTAINING POLYMERS AND POLYURETHANE-CONTAINING POLYMERS, IN PARTICULAR POLYURETHANE BLOCK COPOLYMERS

Title (de)  
SELEKTIVE DEPOLYMERISATION VON POLYAMID 6 ZU CAPROLACTAM AUS GEMISCHEN VON CAPROLACTAMHALTIGEN POLYMEREN UND POLYURETHANHALTIGEN POLYMEREN, INSBESONDERE POLYURETHANBLOCKCOPOLYMEREN

Title (fr)  
DÉPOLYMÉRISATION SÉLECTIVE DE POLYAMIDE 6 EN CAPROLACTAME À PARTIR DE MÉLANGES DE POLYMÈRES CONTENANT DU CAPROLACTAME ET DE POLYMÈRES CONTENANT DU POLYURÉTHANE, EN PARTICULIER DE COPOLYMÈRES SÉQUENCÉS DE POLYURÉTHANE

Publication  
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Application  
**EP 21836523 A 20211214**

Priority  
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• EP 2021085651 W 20211214

Abstract (en)  
[origin: WO2022129022A1] Method for obtaining caprolactam from mixtures of caprolactam-containing polymers and polyurethane-containing polymers, in particular polyurethane block copolymers, by depolymerisation, characterised in that the depolymerisation of the mixture is carried out in the presence of 0.05 to 5 wt.% of a base, at a temperature of 250 to 350 °C, at a pressure of 5 to 700 mbar, with the caprolactam being obtained in gas form.

IPC 8 full level  
**C08J 11/16** (2006.01); **C08L 75/04** (2006.01); **C08L 77/02** (2006.01)

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