

Title (en)

PROCESS FOR THE SYNTHESIS OF ISOCYANATE-FREE OMEGA-HYDROXY-URETHANES, ALPHA-OMEGA-DIURETHANES AND OLIGO (POLY)URETHANES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON ISOCYANATFREIEN OMEGA-HYDROXYURETHANEN, ALPHA-OMEGA-DIURETHANEN UND OLIGO(POLY)URETHANEN

Title (fr)

PROCÉDÉ DE SYNTHÈSE D'OMÉGA-HYDROXY-URÉTHANES, D'ALPHA-OMÉGA-DIURÉTHANES ET D'OLIGO (POLY)URÉTHANES EXEMPTS D'ISOCYANATE

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Application

EP 21730108 A 20210519

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Abstract (en)

[origin: WO2021233976A1] The synthesis of omega-hydroxyalkyl-urethanes, and of alfa-omega-diurethanes is reported which includes the reaction of diols with urea in presence of catalysts based on Ce at temperatures between 125 and 170 °C over 4-8 h reaction time. A process for the production of oligomers of omega-hydroxyalkyl-urethanes is also reported based on the reaction of urea with diols in presence of Ce or Zr catalysts or Ce mixed oxides at 125-170 °C over 4-20 h.

IPC 8 full level

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