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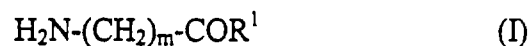
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Abstract

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5 Polyamides are produced by reacting aminocarboxylic acid compounds
of the general formula I



10 where R^1 is OH, O- C_{1-12} -alkyl or NR^2R^3 , where R^2 and R^3 are independently
hydrogen, C_{1-12} -alkyl or C_{5-8} -cycloalkyl, and m is an integer from 3 to 12,

optionally in a mixture with aminonitriles and their hydrolysis products and
optionally in the presence of water,

15 in a liquid phase at elevated pressure and elevated temperature in the presence of
metal oxides as heterogeneous catalysts, the metal oxides being used in a form
which permits mechanical removal from the reaction mixture and being removed
from the reaction mixture during or after the polymerization.