

Title (en)

CATALYST SYSTEM FOR PRODUCING POLYALKYLENE CARBONATES

Title (de)

KATALYSATORSYSTEM ZUR HERSTELLUNG VON POLYALKYLENCARBONATEN

Title (fr)

SYSTEME CATALYSEUR POUR PREPARER DES CARBONATES DE POLYALKYLENE

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Application

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Abstract (en)

[origin: DE19737547A1] The invention relates to a catalyst system consisting of at least two dicarboxylic acids which can be aliphatic, aromatic or a mixture of the two and which can be combined using a divalent inorganic zinc salt. The inventive catalyst system can be used in the co-, ter-, and block-polymerisation of one or several epoxides with carbon dioxide in a continuous or batch operation to achieve higher yields, especially for commercial use. The resulting polymers are free from by-products to a large extent and are 99 % pure.

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