

Title (en)

ALIPHATIC POLYCARBONATES AND PRODUCTION METHODS FROM CYCLIC CARBONATES THEREOF

Title (de)

ALIPHATISCHEN POLYCARBONATE UND HERSTELLUNGSVERFAHREN AUS CYCLISCHEN CARBONATEN DAFÜR

Title (fr)

POLYCARBONATES ALIPHATIQUES ET PROCÉDÉS POUR LES PRODUIRE À PARTIR DE CARBONATES CYCLIQUES

Publication

EP 3230341 A2 20171018 (EN)

Application

EP 15868537 A 20151207

Priority

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- KR 2015013331 W 20151207

Abstract (en)

[origin: WO2016093581A2] Aliphatic polycarbonates are prepared by ring opening polymerization of six-membered cyclic carbonates or various ratio of mixtures of six-membered cyclic carbonates using catalysts. The resulting materials are further polymerized using the extra functional group such as additional 2nd cyclic carbonate, (meth)acrylate and allylate. This process and material(s) obtained provide chlorine (e.g. phosgene and chloroformate)-free and bisphenol-free polycarbonates and their derivatives for environment-friendly applications.

IPC 8 full level

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CPC (source: EP)

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