

Title (en)

METHOD FOR PRODUCING HIGHLY REACTIVE ISOBUTYLENE HOMO- OR COPOLYMERS FROM TECHNICAL FLOWS OF C₄-HYDROCARBON USING BRONSTED ACID CATALYST COMPLEXES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON HOCHREAKTIVEN ISOBUTENHOMO- ODER -COPOLYMEREN AUS TECHNISCHEN C₄-KOHLENWASSERSTOFFSTRÖMEN MITTELS PROTONENSAURER KATALYSATOR-KOMPLEXE

Title (fr)

PROCEDE POUR PRODUIRE DES HOMOPOLYMERES OU COPOLYMERES D'ISOBUTENE TRES REACTIFS A PARTIR DE FLUX D'HYDROCARBURES C₄ TECHNIQUES AU MOYEN DE COMPLEXES CATALYTIQUES ACIDES PROTONIQUES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2007057406A1] The invention relates to the production of highly reactive isobutylene homo- or copolymers with $M_n = 500$ to 1,000,000 by polymerizing isobutylene from technical flows of C₄-hydrocarbon having a isobutylene content ranging from 1 to 90 % by weight in liquid phase in the presence of a dissolved, dispersed or supported catalyst complex by using, as a catalyst complex, a Bronsted acid compound (I) $[H^+ \cdot Y^-] \cdot L_x$ (I) $[Y^-]$ weakly coordinating k-valent anion, which contains at least one carbon-containing grouping; L represents neutral solvent molecules, and; x = 0.

IPC 8 full level

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