

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

EP 1954728 A1 20080813 (DE)

Application

EP 06819482 A 20061115

Priority

- EP 2006068468 W 20061115
- DE 102005055819 A 20051121

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) $[H^+ \cdot Y^-]$ 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

C08F 4/52 (2006.01); **C08F 10/10** (2006.01)

CPC (source: EP KR US)

C08F 4/52 (2013.01 - KR); **C08F 10/10** (2013.01 - EP KR US); **C08F 110/10** (2013.01 - KR); **C08F 210/10** (2013.01 - KR); **C08F 110/10** (2013.01 - EP US)

Citation (search report)

See references of WO 2007057406A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102005055819 A1 20070524; CN 101331160 A 20081224; EP 1954728 A1 20080813; KR 20080070057 A 20080729; US 2008249264 A1 20081009; WO 2007057406 A1 20070524

DOCDB simple family (application)

DE 102005055819 A 20051121; CN 200680047560 A 20061115; EP 06819482 A 20061115; EP 2006068468 W 20061115; KR 20087013622 A 20080605; US 9298006 A 20061115