Title (en)

PROCESS FOR PREPARING HIGH-REACTIVITY ISOBUTENE HOMO- OR COPOLYMERS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON HOCHREAKTIVEN ISOBUTENHOMO- ODER -COPOLYMEREN

Title (fr)

PROCÉDÉ DE FABRICATION D'HOMOPOLYMÈRES OU DE COPOLYMÈRES D'ISOBUTÈNE HAUTEMENT RÉACTIFS

Publication

EP 2742073 A1 20140618 (DE)

Application

EP 12745871 A 20120810

Priority

- EP 11177300 A 20110811
- EP 2012065751 W 20120810
- EP 12745871 A 20120810

Abstract (en)

[origin: WO2013021058A1] Preparation of high-reactivity isobutene homo- or copolymers with a content of terminal vinylidene double bonds per polyisobutene chain end of at least 50 mol% by polymerization of isobutene or isobutene-comprising monomer mixtures in the presence of Lewis acids suitable as polymerization catalysts or of complexes which are effective as polymerization catalysts and are formed from Lewis acids and donors, and in the presence of initiators, wherein the initiators used are organic sulfonic acids Z-SO3H in which the variable Z denotes an alkyl radical, haloalkyl radical, cycloalkyl radical, aryl radical or arylalkyl radical.

IPC 8 full level

C08F 10/10 (2006.01); **C08F 4/06** (2006.01)

CPC (source: EP RU)

C08F 4/06 (2013.01 - RU); **C08F 4/14** (2013.01 - RU); **C08F 4/16** (2013.01 - RU); **C08F 4/26** (2013.01 - RU); **C08F 10/10** (2013.01 - EP RU); **C08F 110/10** (2013.01 - RU); **C08F 210/10** (2013.01 - RU); C08F 110/10 (2013.01 - EP)

Citation (search report)

See references of WO 2013021058A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013021058 A1 20130214; AR 087514 A1 20140326; BR 112014002551 A2 20170314; CN 103764695 A 20140430; EP 2742073 A1 20140618; JP 2014524492 A 20140922; JP 6099648 B2 20170322; KR 20140049024 A 20140424; MY 166046 A 20180522; RU 2014108711 A 20150920; RU 2608510 C2 20170118; SG 10201606556W A 20160929; SG 2014004303 A 20140328

DOCDB simple family (application)

EP 2012065751 W 20120810; AR P120102937 A 20120810; BR 112014002551 A 20120810; CN 201280039216 A 20120810; EP 12745871 A 20120810; JP 2014525415 A 20120810; KR 20147004816 A 20120810; MY PI2014000294 A 20120810; RU 2014108711 A 20120810; SG 10201606556W A 20120810; SG 2014004303 A 20120810