

Title (en)

POLYPHOSPHORUS POLYMER THAT IS THIOL-FUNCTIONALISED AT THE CHAIN ENDS AND PRODUCTION METHOD THEREOF

Title (de)

AN DEN KETTENENDEN THIOL-FUNKTIONALISIERTES POLYPHOSPHORPOLYMER UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

POLYMÈRE POLYPHOSPHORÉ FONCTIONNALISÉ THIOL EN EXTRÉMITÉ DE CHAÎNE ET SON PROCÉDÉ D'OBTENTION

Publication

**EP 3105260 A1 20161221 (FR)**

Application

**EP 15703585 A 20150210**

Priority

- FR 1451036 A 20140211
- EP 2015052701 W 20150210

Abstract (en)

[origin: WO2015121223A1] The invention relates to a novel polyphosphorus polymer that is thiol-functionalised at the chain ends, of which the polymer chain comprises units bearing at least one phosphonate pendant functional group and/or at least one phosphonic pendant functional group along the length of the chain. This novel polymer is particularly suitable for use in a thiol-ene coupling reaction. This provides the possibility of grafting the polyphosphorus polymers to diene polymers for example.

IPC 8 full level

**C08F 30/02** (2006.01); **C08F 8/00** (2006.01); **C08F 299/00** (2006.01)

CPC (source: EP US)

**C08C 19/24** (2013.01 - EP US); **C08F 8/00** (2013.01 - EP US); **C08F 30/02** (2013.01 - EP US); **C08F 299/00** (2013.01 - EP US); **C08F 2438/03** (2013.01 - EP US); **C08F 2810/40** (2013.01 - EP US)

Citation (search report)

See references of WO 2015121223A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**FR 3017387 A1 20150814**; **FR 3017387 B1 20160212**; CN 105960420 A 20160921; EP 3105260 A1 20161221; US 2017218099 A1 20170803; WO 2015121223 A1 20150820

DOCDB simple family (application)

**FR 1451036 A 20140211**; CN 201580006303 A 20150210; EP 15703585 A 20150210; EP 2015052701 W 20150210; US 201515118009 A 20150210