

Title (en)

USE OF POLYPROPYLENEIMINE AS CURING AGENT FOR EPOXIDE RESINS

Title (de)

VERWENDUNG VON POLYPROPYLENIMIN ALS HÄRTER FÜR EPOXIDHARZE

Title (fr)

UTILISATION DE POLYPROPYLÈNEIMINE EN TANT QUE DURCISSEUR POUR RÉSINES ÉPOXYDES

Publication

EP 3033372 A1 20160622 (DE)

Application

EP 14744568 A 20140729

Priority

- EP 13180286 A 20130813
- EP 2014066296 W 20140729
- EP 14744568 A 20140729

Abstract (en)

[origin: WO2015022186A1] The present invention relates to the use of essentially linear polypropyleneimine as curing agent for epoxide resins, and to a corresponding curable composition, the curing thereof and the cured epoxide resin obtainable therefrom.

IPC 8 full level

C08G 59/50 (2006.01); **C08L 63/00** (2006.01)

CPC (source: EP US)

C08G 59/4042 (2013.01 - EP US); **C08L 79/02** (2013.01 - EP US); **C09D 163/00** (2013.01 - US); **C09D 179/02** (2013.01 - EP US); **C08G 73/0206** (2013.01 - EP US); **C08G 73/0213** (2013.01 - EP US); **C08K 7/02** (2013.01 - US)

Citation (search report)

See references of WO 2015022186A1

Citation (examination)

JINTAO WAN ET AL: "Learning about novel amine-adduct curing agents for epoxy resins: Butyl-glycidylether-modified poly(propyleneimine) dendrimers", THERMOCHIMICA ACTA, vol. 519, no. 1-2, 1 May 2011 (2011-05-01), AMSTERDAM, NL., pages 72 - 82, XP055574650, ISSN: 0040-6031, DOI: 10.1016/j.tca.2011.02.038

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)

WO 2015022186 A1 20150219; CN 105452324 A 20160330; CN 105452324 B 20180403; EP 3033372 A1 20160622; JP 2016528355 A 20160915; KR 20160042885 A 20160420; RU 2016108819 A 20170914; US 2016024344 A1 20160128; US 9650542 B2 20170516

DOCDB simple family (application)

EP 2014066296 W 20140729; CN 201480044551 A 20140729; EP 14744568 A 20140729; JP 2016533873 A 20140729; KR 20167003320 A 20140729; RU 2016108819 A 20140729; US 201414771681 A 20140729