

Title (en)

ADDITIVES TO RESIN COMPOSITIONS FOR IMPROVED IMPACT STRENGTH AND FLEXIBILITY

Title (de)

ADDITIVE FÜR HARZZUSAMMENSETZUNGEN FÜR VERBESSERTE SCHLAGZÄHIGKEIT UND FLEXIBILITÄT

Title (fr)

ADDITIFS À DES COMPOSITIONS À BASE DE RÉSINE POUR OBTENIR UNE RÉSISTANCE AUX IMPACTS ET UNE FLEXIBILITÉ AMÉLIORÉES

Publication

**EP 2989167 A4 20161221 (EN)**

Application

**EP 14788519 A 20140422**

Priority

- US 201361814619 P 20130422
- US 2014035057 W 20140422

Abstract (en)

[origin: CN105705585A] The invention provides additives to resin compositions for improved impact strength and flexibility. The invention provides a composition comprising: (a) about 0% to 99% by weight of at least one resin wherein the resin is selected from the group consisting of epoxy, latex, polyurethane, polyurea, polyspartic, or alkyd resins; (b) about 1% - 99% by weight of tristyrenated phenol or distyrenated phenol; and (c) optionally about 2% to 98% by weight of an additional solvent.

IPC 8 full level

**C08K 5/05** (2006.01); **C08K 5/09** (2006.01); **C08K 5/13** (2006.01); **C08K 5/17** (2006.01); **C08L 101/06** (2006.01)

CPC (source: EP US)

**C08K 5/05** (2013.01 - EP US); **C08K 5/09** (2013.01 - EP); **C08K 5/13** (2013.01 - EP US); **C08K 5/17** (2013.01 - EP); **C08L 101/06** (2013.01 - EP); **Y10T 428/1355** (2015.01 - EP US); **Y10T 428/31529** (2015.04 - EP US); **Y10T 428/31605** (2015.04 - EP US)

Citation (search report)

- [E] WO 2014067095 A1 20140508 - DOW GLOBAL TECHNOLOGIES LLC [US], et al
- [X] D BROOKE ET AL: "Environmental risk evaluation report: Styrenated phenol", 1 December 2009 (2009-12-01), Bristol, UK, pages 1 - 124, XP055318368, ISBN: 978-1-84911-162-1, Retrieved from the Internet <URL:https://www.gov.uk/government/uploads/system/uploads/attachment\_data/file/290858/scho1209brqx-e-e.pdf> [retrieved on 20161110]
- [T] \*: "WESTCO TM SP-120 STYRENATED PHENOL NON-STAINING LIQUID ANTIOXIDANT CAS# 61788-44-1", GC GC, 1 January 2016 (2016-01-01), Stow (US), pages 1 - 1, XP055318386, Retrieved from the Internet <URL:http://www.wrchem.com/wp-content/uploads/2015/12/WESTCO-SP-120-Antioxidant-TDS-1.pdf> [retrieved on 20161110]
- [X] ASAKAWA Y ET AL: "Epoxy] resin compsn. with reduced viscosity - comprises resin in liq. styrenated phenol and amine curing agent", 16 January 1982, WPI / THOMSON., XP002616174
- See references of WO 2014176294A2

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)

CN 105705585 A 20160622; CN 105705585 B 20181109; EP 2989167 A2 20160302; EP 2989167 A4 20161221

DOCDB simple family (application)

CN 201480022996 A 20140422; EP 14788519 A 20140422