

Title (en)

RESOLE PHENOLIC RESINS CURABLE WITH FUNCTIONAL POLYESTERS

Title (de)

MIT FUNKTIONELLEN POLYESTERN HÄRTBARE RESOLPHENOLHARZE

Title (fr)

RÉSINES RÉVOL PHÉNOLIQUES DURCISSABLES DOTÉES DE FONCTIONS POLYESTERS

Publication

EP 3212685 A1 20170906 (EN)

Application

EP 15791849 A 20151027

Priority

- US 201414524514 A 20141027
- US 201414524509 A 20141027
- US 201414540490 A 20141113
- US 201514683278 A 20150410
- US 201514922846 A 20151026
- US 2015057529 W 20151027

Abstract (en)

[origin: WO2016069572A1] This invention relates to a resole phenolic resin comprising the residues of (a) from about 50 to 100 mole % of a meta-substituted phenol [phenolic component (a)], (b) from 0 to about 50 mole % of at least one phenolic component [phenolic component (b)] other than said meta-substituted phenol, and (c) from about 150 to about 300 mole % of at least one aldehyde, wherein the mole percentages of said phenolic components (a) and (b) are based on the total moles of phenolic components (a) and (b); wherein the mole percentages of said aldehyde component is based on the total moles of said phenolic components (a) and (b), and wherein said resole phenolic resin is soluble in an organic solvent and curable with a functional polyester.

IPC 8 full level

C08G 8/04 (2006.01); **C08G 8/08** (2006.01); **C08G 8/24** (2006.01); **C08G 8/36** (2006.01); **C08L 61/06** (2006.01); **C08L 61/14** (2006.01); **C08L 67/00** (2006.01); **C08L 67/02** (2006.01); **C09D 161/06** (2006.01); **C09D 161/14** (2006.01)

CPC (source: CN EP)

C08G 8/04 (2013.01 - CN); **C08G 8/08** (2013.01 - CN); **C08G 8/24** (2013.01 - CN); **C08G 8/36** (2013.01 - CN); **C08L 67/00** (2013.01 - CN EP); **C08L 67/02** (2013.01 - CN); **C09D 167/00** (2013.01 - CN); **C09D 167/02** (2013.01 - CN)

Citation (search report)

See references of WO 2016069572A1

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 2016069572 A1 20160506; CN 107001772 A 20170801; CN 107148433 A 20170908; CN 111500024 A 20200807; CN 111500024 B 20230310; EP 3212685 A1 20170906; EP 3212686 A2 20170906; EP 3212686 B1 20180829; EP 3428231 A1 20190116; EP 3428231 B1 20230830; EP 3431547 A1 20190123; EP 3431547 B1 20231025; JP 2017536470 A 20171207; WO 2016069567 A2 20160506; WO 2016069567 A3 20160804

DOCDB simple family (application)

US 2015057529 W 20151027; CN 201580058586 A 20151027; CN 201580058692 A 20151027; CN 202010111876 A 20151027; EP 15791849 A 20151027; EP 15793972 A 20151027; EP 18191065 A 20151027; EP 18191066 A 20151027; JP 2017540984 A 20151027; US 2015057524 W 20151027