

Title (en)
COMPOSITIONS USING POLYURETDIONE RESINS

Title (de)
ZUSAMMENSETZUNGEN MIT POLYURETDIONHARZEN

Title (fr)
COMPOSITIONS UTILISANT DES RÉSINES POLYURÉTDIONE

Publication
EP 3768755 A1 20210127 (EN)

Application
EP 19713667 A 20190321

Priority

- EP 18163620 A 20180323
- EP 18163621 A 20180323
- EP 18163625 A 20180323
- US 201815933470 A 20180323
- US 201815933475 A 20180323
- US 201815933487 A 20180323
- US 201815933495 A 20180323
- US 201815933500 A 20180323
- US 201815933507 A 20180323
- US 201815933511 A 20180323
- US 201815933527 A 20180323
- US 201815933553 A 20180323
- US 201815933570 A 20180323
- EP 18181876 A 20180705
- EP 18181877 A 20180705
- US 2019023299 W 20190321

Abstract (en)
[origin: WO2019183308A1] The present invention provides a reaction mixture comprising a hot blend of a first isocyanate-base uretdione resin and a second isocyanate-base uretdione resin, a neutralized polyol and a tertiary amine catalyst, and optionally, an additive package selected from the group consisting of flow control additives, pigments (colorants), wetting agents, and solvents, wherein the first isocyanate and the second isocyanate are different. The isocyanate-based uretdiones that have been hot blended together produce coatings, adhesives, castings, composites, and sealants, which exhibit better performance properties (such as microhardness) than those coatings, adhesives, castings, composites, and sealants produced from the constituent isocyanate-based uretdiones alone.

IPC 8 full level
C08G 18/75 (2006.01); **C08G 18/20** (2006.01); **C08G 18/42** (2006.01); **C08G 18/62** (2006.01); **C08G 18/72** (2006.01); **C08G 18/73** (2006.01); **C08G 18/78** (2006.01); **C08G 18/79** (2006.01); **C09D 175/06** (2006.01); **C09J 175/06** (2006.01)

CPC (source: EP)
C08G 18/12 (2013.01); **C08G 18/2036** (2013.01); **C08G 18/2063** (2013.01); **C08G 18/2072** (2013.01); **C08G 18/2825** (2013.01); **C08G 18/3206** (2013.01); **C08G 18/3234** (2013.01); **C08G 18/3246** (2013.01); **C08G 18/325** (2013.01); **C08G 18/3253** (2013.01); **C08G 18/3256** (2013.01); **C08G 18/4236** (2013.01); **C08G 18/4862** (2013.01); **C08G 18/725** (2013.01); **C08G 18/73** (2013.01); **C08G 18/755** (2013.01); **C08G 18/7831** (2013.01); **C08G 18/7837** (2013.01); **C08G 18/797** (2013.01); **C08G 18/798** (2013.01); **C09D 175/06** (2013.01); **C09D 175/12** (2013.01); **C09J 175/06** (2013.01); **C09J 175/12** (2013.01); **C08G 2190/00** (2013.01)

C-Set (source: EP)
1. **C08G 18/12 + C08G 18/3256**
2. **C08G 18/12 + C08G 18/3253**

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 2019183308 A1 20190926; CN 111868131 A 20201030; CN 111868133 A 20201030; CN 111868135 A 20201030; CN 111886271 A 20201103; CN 111886272 A 20201103; CN 111886272 B 20221115; CN 111886273 A 20201103; CN 112004853 A 20201127; CN 112004853 B 20230728; CN 112041367 A 20201204; CN 112041367 B 20230516; CN 112105665 A 20201218; CN 112105666 A 20201218; CN 112105666 B 20230523; EP 3768745 A1 20210127; EP 3768747 A1 20210127; EP 3768748 A1 20210127; EP 3768749 A1 20210127; EP 3768750 A1 20210127; EP 3768751 A1 20210127; EP 3768752 A1 20210127; EP 3768753 A1 20210127; EP 3768754 A1 20210127; EP 3768755 A1 20210127; EP 3768756 A1 20210127; EP 3768757 A1 20210127; EP 3768758 A1 20210127; EP 3768759 A1 20210127; WO 2019180127 A1 20190926; WO 2019180128 A1 20190926; WO 2019180129 A1 20190926; WO 2019180130 A1 20190926; WO 2019180131 A1 20190926; WO 2019183300 A1 20190926; WO 2019183304 A1 20190926; WO 2019183305 A1 20190926; WO 2019183307 A1 20190926; WO 2019183313 A1 20190926; WO 2019183315 A1 20190926; WO 2019183319 A1 20190926; WO 2019183323 A1 20190926; WO 2019183330 A1 20190926

DOCDB simple family (application)
US 2019023299 W 20190321; CN 201980021445 A 20190321; CN 201980021447 A 20190321; CN 201980021448 A 20190321; CN 201980021506 A 20190321; CN 201980021508 A 20190321; CN 201980021559 A 20190321; CN 201980021604 A 20190321; CN 201980021630 A 20190321; CN 201980034098 A 20190321; CN 201980034350 A 20190321; EP 19711125 A 20190321; EP 19711126 A 20190321; EP 19711127 A 20190321; EP 19711128 A 20190321; EP 19711129 A 20190321; EP 19713339 A 20190321; EP 19713663 A 20190321; EP 19713665 A 20190321; EP 19713666 A 20190321; EP 19713667 A 20190321; EP 19713668 A 20190321; EP 19713669 A 20190321; EP 19713670 A 20190321; EP 19714972 A 20190321; EP 2019057064 W 20190321; EP 2019057065 W 20190321; EP 2019057066 W 20190321; EP 2019057068 W 20190321; EP 2019057069 W 20190321; US 2019023286 W 20190321;

US 2019023290 W 20190321; US 2019023292 W 20190321; US 2019023297 W 20190321; US 2019023312 W 20190321;
US 2019023314 W 20190321; US 2019023319 W 20190321; US 2019023325 W 20190321; US 2019023334 W 20190321