

Title (en)

ACRYLATE COLOR-STABILIZED PHENOLIC BOUND ABRASIVE PRODUCTS AND METHODS FOR MAKING SAME

Title (de)

MIT ACRYLAT FARBLICH STABILISIERTE PHENOLGEBUNDENE SCHLEIFMITTEL UND IHRE HERSTELLUNG

Title (fr)

PRODUITS ABRASIFS À BASE D ACRYLATE À LIANT PHÉNOLIQUE AUX COULEURS STABILISÉES, ET PROCÉDÉS DE FABRICATION ASSOCIÉS

Publication

**EP 2367894 A2 20110928 (EN)**

Application

**EP 09826894 A 20091116**

Priority

- US 2009064547 W 20091116
- US 19947108 P 20081117

Abstract (en)

[origin: WO2010057076A2] Described is a color-stable abrasive article that includes a phenolic resin binder; a color stabilizer, a colorant, and abrasive grains. The color stabilizer includes at least one acrylate. The color-stable abrasive article is formed by a method including the steps of blending a resole and a color stabilizer to form a resole composition; contacting a plurality of abrasive particles with the resole composition; and curing the resole composition to produce the color-stable abrasive article. Thus provided are color stabilized phenolic bound abrasives and a method for making such abrasives that resist color change over time and upon exposure to high temperature and maintain the mechanical strength of a phenolic resin.

IPC 8 full level

**B24D 3/28** (2006.01); **B24D 3/34** (2006.01); **B24D 11/00** (2006.01); **C08K 5/00** (2006.01)

CPC (source: EP US)

**B24D 3/28** (2013.01 - EP US); **B24D 3/344** (2013.01 - EP US); **B24D 11/00** (2013.01 - EP US); **C08K 5/005** (2013.01 - EP US); **C08K 5/103** (2013.01 - EP US)

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

**WO 2010057076 A2 20100520; WO 2010057076 A3 20100708**; AU 2009313815 A1 20100520; BR PI0921160 A2 20160223; CA 2743808 A1 20100520; CN 102272258 A 20111207; CN 102272258 B 20140820; EP 2367894 A2 20110928; EP 2367894 A4 20150304; MX 2011005166 A 20110617; US 2010227531 A1 20100909

DOCDB simple family (application)

**US 2009064547 W 20091116**; AU 2009313815 A 20091116; BR PI0921160 A 20091116; CA 2743808 A 20091116; CN 200980153958 A 20091116; EP 09826894 A 20091116; MX 2011005166 A 20091116; US 61941309 A 20091116