

Title (en)
CARBOXYLIC ACID ESTER COLOR-STABILIZED PHENOLIC BOUND ABRASIVE PRODUCTS AND METHODS FOR MAKING SAME

Title (de)
MIT CARBONSÄUREESTER FARBlich STABILISIERTE PHENOLGEBUNDENE SCHLEIFMITTEL UND IHRE HERSTELLUNG

Title (fr)
PRODUITS ABRASIFS À BASE D'ESTER D'ACIDE CARBOXYLIQUE À LIANT PHÉNOLIQUE AUX COULEURS STABILISÉES, ET PROCÉDÉS DE FABRICATION ASSOCIÉS

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Application
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Abstract (en)
[origin: WO2010057075A2] 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 carboxylic acid ester. 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.

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