

Title (en)  
RING DYED POLYMER TREATED MATERIALS

Title (de)  
RINGGEFÄRBTE BEHANDELTE POLYMERMATERIALIEN

Title (fr)  
MATIÈRES TRAITÉES AU MOYEN D'UN POLYMÈRE PAR COLORATION EN ANNEAU

Publication  
**EP 2888400 A1 20150701 (EN)**

Application  
**EP 13832686 A 20130823**

Priority  
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• US 2013056371 W 20130823

Abstract (en)  
[origin: US2014053348A1] Products and methods for ring dyeing a yarn and/or surface dyeing a fabric are provided. The product and method discloses the application of a dye binding composition including a urethane based polymer to a textile yarn, fabric, or garment. The dye binding composition is engineered so that the composition is positioned on or near the surface of the yarn, producing a ring dyed material. The dye binding composition can be colored with selective dyes that bind to the composition but generally do not have affinity for textile substrate. Garments created using this fabric can be abraded to remove surface polymer and color in different locations of the garment, creating an antiqued appearing garment. Dyes of different classifications can be used to produce novel performance and coloration effects in textile materials and garments. This process has been demonstrated on yarn (for a denim-like appearance), knitted and woven fabrics, and garments.

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