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(54) **FILTER AND METHOD OF PREPARING A BONDED FILTER THAT INCLUDES A WHITE-OPALESCENT ADHESIVE**

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(51) **Int. Cl.**⁷ **B01D 63/00**

(52) **U.S. Cl.** **210/321.61; 156/305; 264/DIG. 48**

(58) **Field of Search** 210/493.1, 323.1, 210/323.2, 321.61; 156/304.6, 305, 106; 528/58; 264/DIG. 48; 252/182.21

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(57) **ABSTRACT**

Described is a filter and a method for preparing the filter that includes a porous filter media that is bonded to an end cap using a two-part, isocyanate-based adhesive. The adhesive is free of inorganic pigments and fillers and is the reaction product of at least one polymeric polyol component and at least one polyisocyanate component. The polyol component includes a high MW triol having sufficiently different intrinsic reaction rates to generate phase separation during curing. The components react and cure to form a product having an L* white value greater than about 60.

20 Claims, No Drawings