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Hampton et al.

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(54) **FILTER WITH EXTERIOR AND INTERIOR MEDIA COMPONENTS AND METHOD OF FILTERING**

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(58) **Field of Classification Search**

None

See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 657 days.

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(57) **ABSTRACT**

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The invention features a filtration segment having a top seal, a bottom seal and a primary filter core and the method of filtering with the design of the filtration segment. The primary filter core is operatively coupled to at least one opening which is located either on the top seal or on the bottom seal. The filtration segment also includes one or more interior filters surrounding the primary filter core. Each interior filter includes a filter material surrounding a secondary core which is operatively coupled to at least one opening which is located either on the top seal or on the bottom seal. Each filter may optionally include a retaining medium enclosing the filter material. The filtration segment has one or more layers of an exterior filter media which operatively surround the interior filters and are operatively coupled to the top seal and the bottom seal.

(52) **U.S. Cl.**

CPC **B01D 46/521** (2013.01); **B01D 24/08**

11 Claims, 17 Drawing Sheets

