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**Ball et al.**

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(54) **NON V-BANK FILTER FOR ANIMAL CONFINEMENT FACILITY**

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This patent is subject to a terminal disclaimer.

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CPC ..... **A01K 1/0064** (2013.01); **A01K 1/0047** (2013.01); **A01K 1/0058** (2013.01);  
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CPC ... B01D 46/002; B01D 46/0005; B01D 59/50; B01D 2265/028; Y10S 55/31  
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(57) **ABSTRACT**  
A non-V bank filter for an animal confinement application such as for filtering out the porcine reproductive and respiratory syndrome virus (PRRSV) is provided. The filter may be a deep pleat of synthetic filter media with at least a MERV 14 rating and efficiency sufficient to filter out the PRRSV in high air flow applications. The media may be embossed and have spacers to provide for structural support and open filter structure for airflow. The filter can occupy less space and in some embodiments 1/2 or even less space than a corresponding V-Bank filter with comparable performance.

**38 Claims, 35 Drawing Sheets**

