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Roy et al.

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[54] **COMBINATION ABOVE GRADE
AUTOMATIC STORMWATER SEPARATION
FILTRATION SYSTEM AND METHOD OF
SEPARATION AND FILTRATION**

[56] **References Cited**

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[75] Inventors: **John R. Roy; David L. Earl; William L. Hamrick; Philip G. King**, all of San Antonio, Tex.

Primary Examiner—David A. Simmons
Assistant Examiner—Frank M. Lawrence
Attorney, Agent, or Firm—Jackson Walker L.L.P.

[73] Assignee: **SWAF, Inc.**, San Antonio, Tex.

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[57] **ABSTRACT**

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A method and system for treating stormwater runoff containing impurities includes collecting the runoff in a basin and allowing the runoff to settle in the basin for a predetermined time before allowing the filtration step to be initiated. The time delay is controlled by a controller sensitive to rain fall, turbidity, or other variables selected by the user. During the filtration step a separator member is positioned floatingly between a filter element and impurities floating on the surface of the unfiltered water.

Related U.S. Application Data

- [60] Provisional application No. 60/059,492, Sep. 22, 1997.
- [51] **Int. Cl.⁷** **B01D 21/24; B01D 35/00**
- [52] **U.S. Cl.** **210/121; 210/138; 210/170; 210/323.2**
- [58] **Field of Search** 210/747, 170, 210/138, 121, 143, 323.1, 323.2, 242.1, 295, 96.1, 136, 117, 236, 122

6 Claims, 11 Drawing Sheets

