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(71) Applicant: **GEORGIA TECH RESEARCH CORPORATION** [US/US]; 926 Dalney Street NW, Atlanta, Georgia 30318 (US).

(72) Inventors: **YEE, Shannon**; 709 N. Parkwood Rd, Decatur, Georgia 30033 (US). **GRUENDL, Harald**; Zelinkagasse 2/6, 1010 Vienna (AT). **SAMPL, Georg**; Zelinkagasse 2/6, 1010 Vienna (AT). **LEÓN, Oscar Estrada**; Zelinkagasse 2/6, 1010 Vienna (AT). **LEHMANN, Roland**; Erlenhof 3978, 9200 Gossau (CH). **GLATTHARD, Janine**; c/o HELBLING TECHNIK Wil AG, Hubstrasse 24, CH-9500, 9500 Wil (CH). **SCHLAURI, Mathias**; c/o HELBLING TECHNIK Wil AG, Hubstrasse 24, CH-9500, 9500 Wil (CH).

(74) Agent: **DAUGHERTY, Elizabeth** et al.; Thomas Horstmeier LLP, 3200 Windy Hill Road SE, Suite 1600E, Atlanta, Georgia 30339 (US).

(54) Title: HUMAN WASTE COLLECTION AND SEPARATION SYSTEM

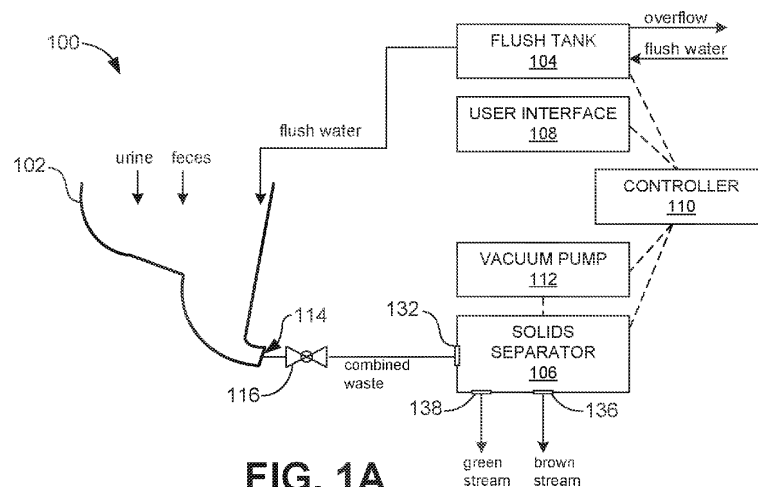


FIG. 1A

(57) **Abstract:** System and method for collection and separation of human waste are described. The system can include a vessel (102) configured to receive human waste and a solids separator (106). The solids separator can include a vacuum tank as well as an inlet chamber formed within the vacuum tank at the top portion, a solids containment portion formed in the base of the vacuum tank and positioned centrally within the vacuum tank, a liquid containment portion formed in the base of the vacuum tank and contained within the vacuum tank surrounding the solids containment portion, and a separating filter having a cylindrical tubular shape and extending from the inlet chamber outlet to the solids containment portion. The separating filter forming a central separation volume within the vacuum tank. The inlet chamber is configured to receive the combined waste via an inlet (132) and to direct the combined waste to the central separation volume. The liquid portion of the combined waste allowed to flow through the separating filter to an outer portion surrounding the central separation volume and to collect in the liquid containment portion of the base. The solids portion of the combined waste contained within the central separation volume and collected in the solids containment portion of the base.

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