



US006315899B1

(12) **United States Patent**
Hernandez

(10) **Patent No.:** **US 6,315,899 B1**
(45) **Date of Patent:** **Nov. 13, 2001**

(54) **APPARATUS FOR SEPARATING
ENTRAINED AQUEOUS FROM LOADED
ORGANIC IN AN SX PROCESS**

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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 0 days.

(21) Appl. No.: **09/193,210**

(22) Filed: **Nov. 17, 1998**

(51) **Int. Cl.**⁷ **B01D 11/02; B01D 17/032**

(52) **U.S. Cl.** **210/195.1; 210/197; 210/255;
210/256; 210/511; 210/533; 210/537; 210/540**

(58) **Field of Search** 210/248, 320,
210/532.1, 534, 533, 535, 536, 537, 538,
540, 511, 155, 256, 194, 195.1, 197

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(57) **ABSTRACT**

Apparatus for separating a lighter liquid and a heavier liquid may comprise a settling tank sized to receive a mixture of the lighter liquid and the heavier liquid. The settling tank permits the formation of a first upper liquid fraction and a first lower liquid fraction. A weir positioned adjacent the settling tank allows the first upper liquid fraction to flow over the weir. A trough positioned adjacent the weir receives the first upper liquid fraction and effects a secondary separation of the lighter and heavier liquids by allowing the first upper liquid fraction to form a second upper liquid fraction and a second lower liquid fraction. A first drain having an elevated inlet end is positioned in the trough so that the first drain removes the second upper liquid fraction from said trough. A second drain positioned in the trough has an inlet end that is positioned below the inlet end of the first drain so that the second drain removes the second lower liquid fraction from said trough.

10 Claims, 3 Drawing Sheets

