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(54) **SYSTEM AND METHOD FOR
CONDITIONING A HARDWOOD PULP
LIQUID HYDROLYSATE**

(75) Inventors: **Darrell M. Waite**, Bangor, ME (US);
Richard Arnold, Milford, ME (US);
James St. Pierre, Milford, ME (US);
Hemant P. Pendse, Orono, ME (US);
William H. Ceckler, Hancock, ME
(US); **Amy Elizabeth Luce**, Brewer, ME
(US); **Rino P. Dumont**, Hermon, ME
(US)

(73) Assignees: **Red Shield Acquisition, LLC**, Old
Town, ME (US); **University of Maine
System of Board of Trustees**, Bangor,
ME (US)

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CPC **C13K 13/007**; **C13K 13/00**; **C13K 1/02**;
D21C 11/0007; **C08H 8/00**; **C08H 6/00**
See application file for complete search history.

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Primary Examiner — David C Mellon

(74) *Attorney, Agent, or Firm* — Hayes Soloway, PC

(57) **ABSTRACT**

A system and method for hardwood pulp liquid hydrolysate
conditioning is provided. The system includes a first evapo-
rator, a hydrolysis unit, at least one lignin separation device,
a neutralization device, a precipitate removal device, a sol-
vent extraction unit, a lignin removal and recovery unit, an
acid and furfural separation and conditioning unit, and an
electrodialysis device, which process a quantity of hardwood
mix to produce a desalinated solution containing sugar.

13 Claims, 4 Drawing Sheets

