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(71) Applicant (for all designated States except US): SYMYX TECHNOLOGIES, INC. [US/US]; 3100 Central Expressway, Santa Clara, CA 95051 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): CYPES, Stephen [US/US]; 3100 Central Expressway, Santa Clara, CA 95051 (US). UHRICH, Mark [US/US]; 3100 Central Expressway, Santa Clara, CA 95051 (US). CARLSON, Eric, D. [US/US]; 3100 Central Expressway, Santa Clara, CA 95051 (US). KOLOSOV, Oleg [GB/US]; 3100 Central Expressway, Santa Clara, CA 95051 (US). PADOWITZ, David [US/US]; 3100 Central Expressway, Santa Clara,

CA 95051 (US). BENNETT, James [US/US]; 3100 Central Expressway, Santa Clara, CA 95051 (US). MATSIEV, Leonid [RU/US]; 3100 Central Expressway, Santa Clara, CA 95051 (US).

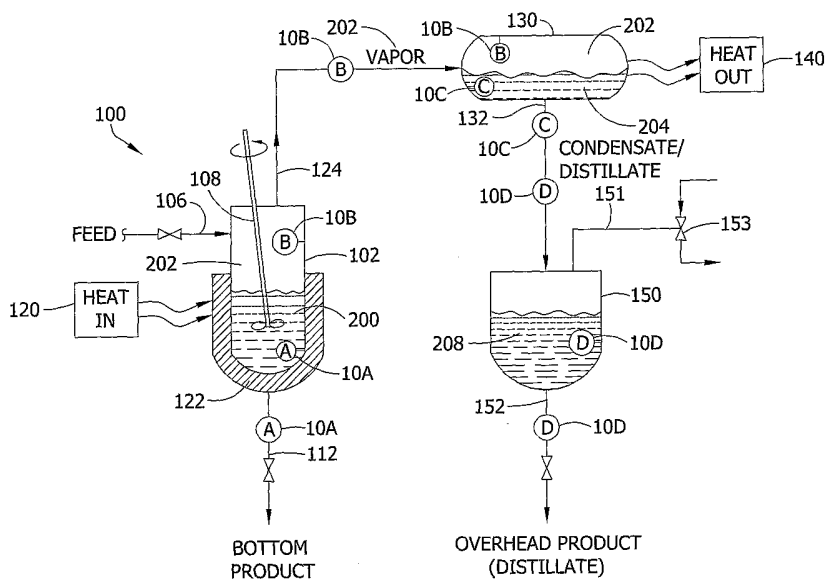
(74) Agent: ROEDEL, John, K., Jr.; Senniger, Powers, Leavitt & Roedel, 1 Metropolitan Square, 16th Floor, St. Louis, MO 63102 (US).

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(54) Title: MONITORING BY MEANS OF AN ON-LINE SENSOR AND FLUIDIC OPERATIONS INVOLVING UNIT SEPARATION AND REACTION OPERATIONS



(57) Abstract: Fluid sensor methods and systems adapted for monitoring and/or controlling distillation operations in fluidic systems, such as batch distillation operations or continuous distillation operations, are disclosed. Preferred embodiments are directed to process monitoring and/or process control for unit operations involving endpoint determination of a distillation, for example, as applied to a liquid-component-switching operation (e.g., a solvent switching operation), a liquid-liquid separation operation, a solute concentration operation, a dispersed-phase concentration operation, among others.

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