

[54] PROCESS FOR RECOVERING DRY SOLIDS FROM AQUEOUS SOLIDS MIXTURES

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Related U.S. Application Data

[63] Continuation of Ser. No. 683,719, Dec. 19, 1984, abandoned.

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[58] Field of Search 159/47.1, DIG. 13, 47.3, 159/48.1, 17.1, DIG. 3, DIG. 10, DIG. 25, DIG. 33, 901, 905; 203/12-19, 47, 48, 51, 98, 7; 34/9, 57 R; 202/176, 202; 165/104.11

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[57] ABSTRACT

A continuous process and apparatus for drying aqueous solids by evaporation using a fluidizing oil and a surfactant wherein the fluidizing oil and surfactant are recovered and recycled separately or together. The aqueous solids may, or may not, have a heavy, natural oil associated with them.

12 Claims, 6 Drawing Figures

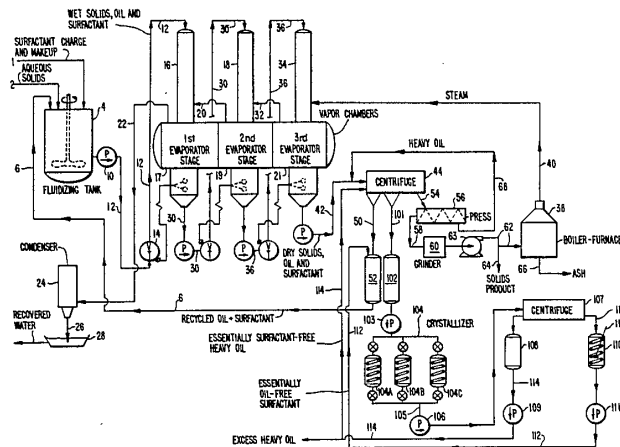


FIG. 1.

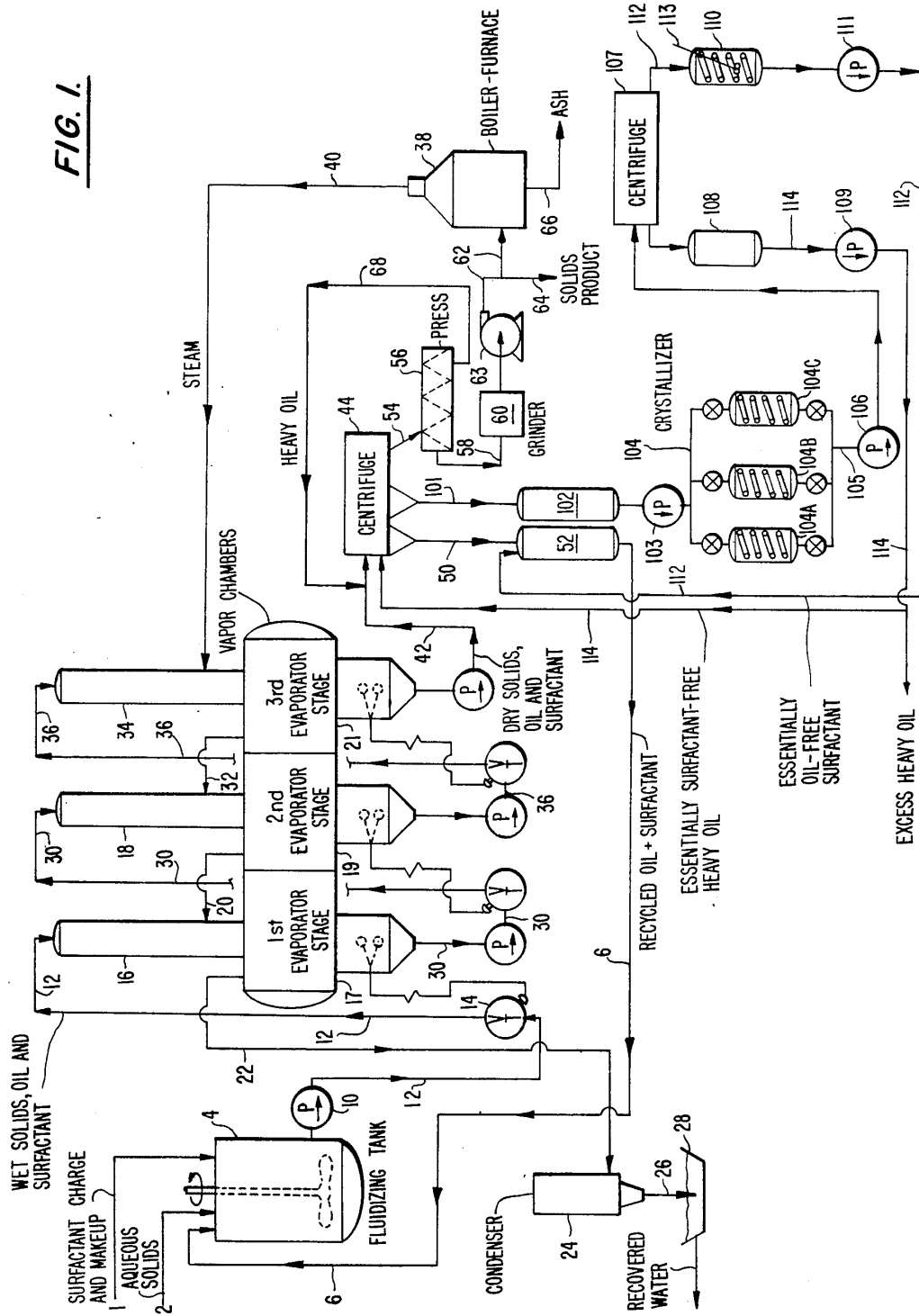
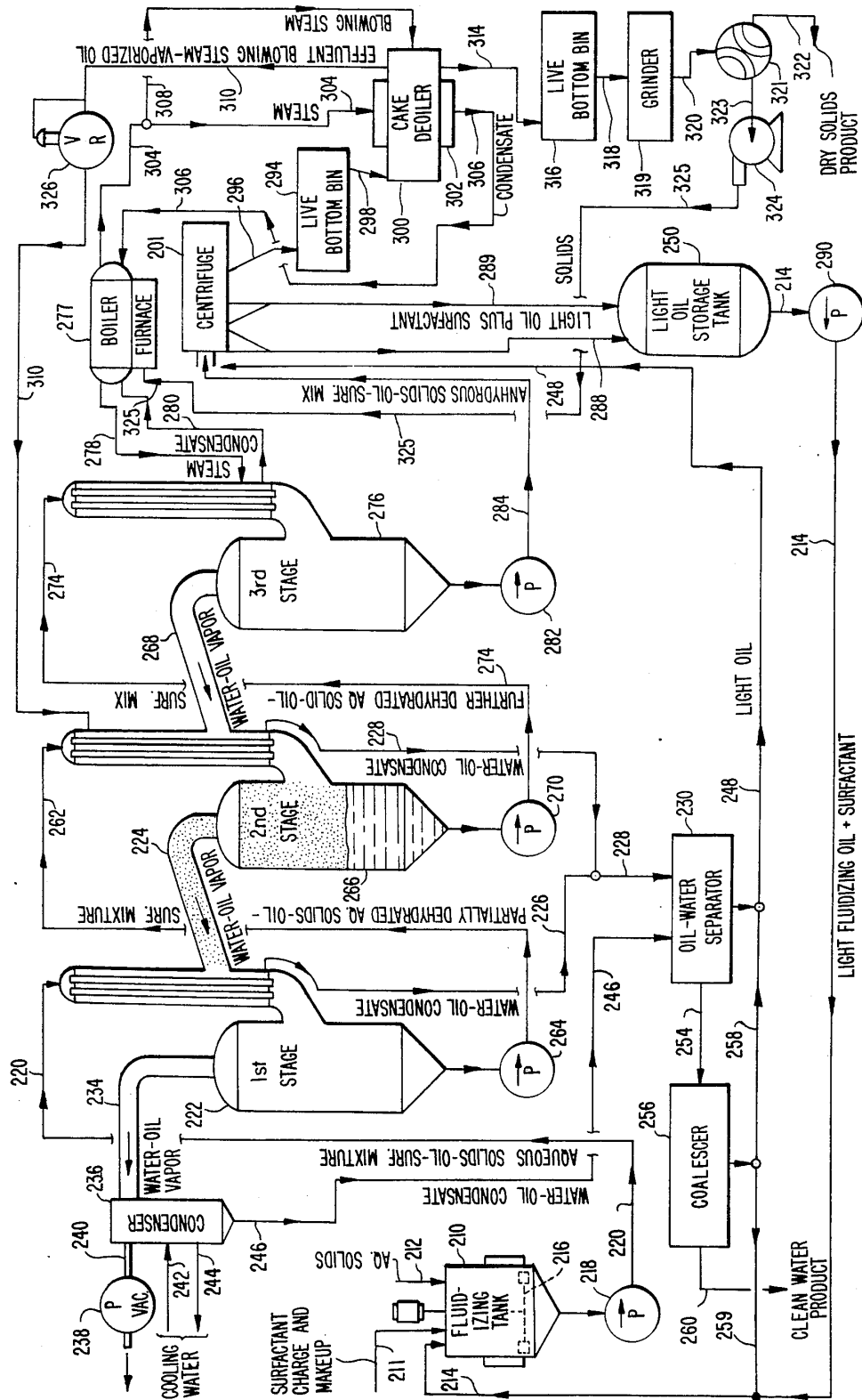


FIG. 2.



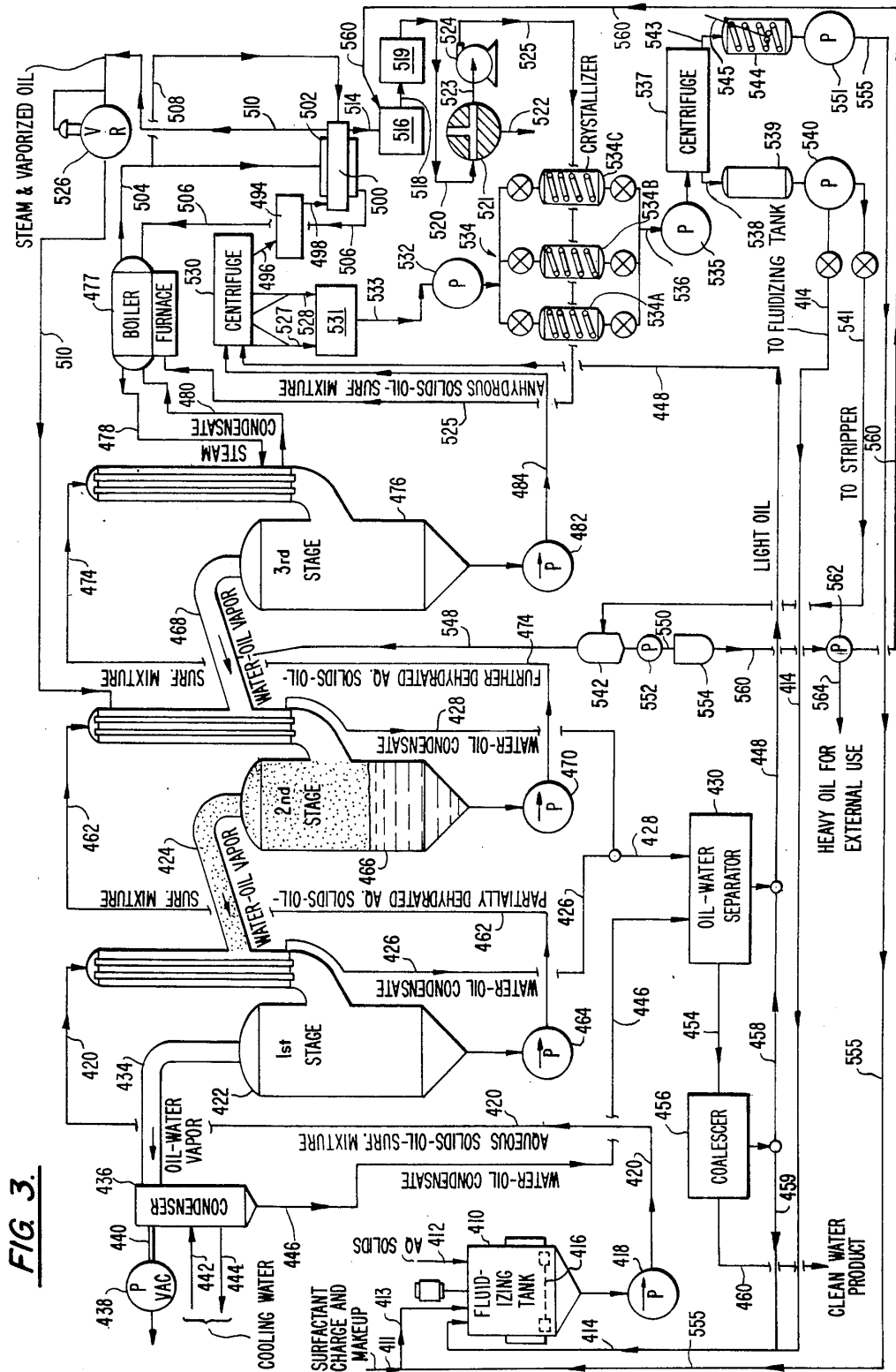
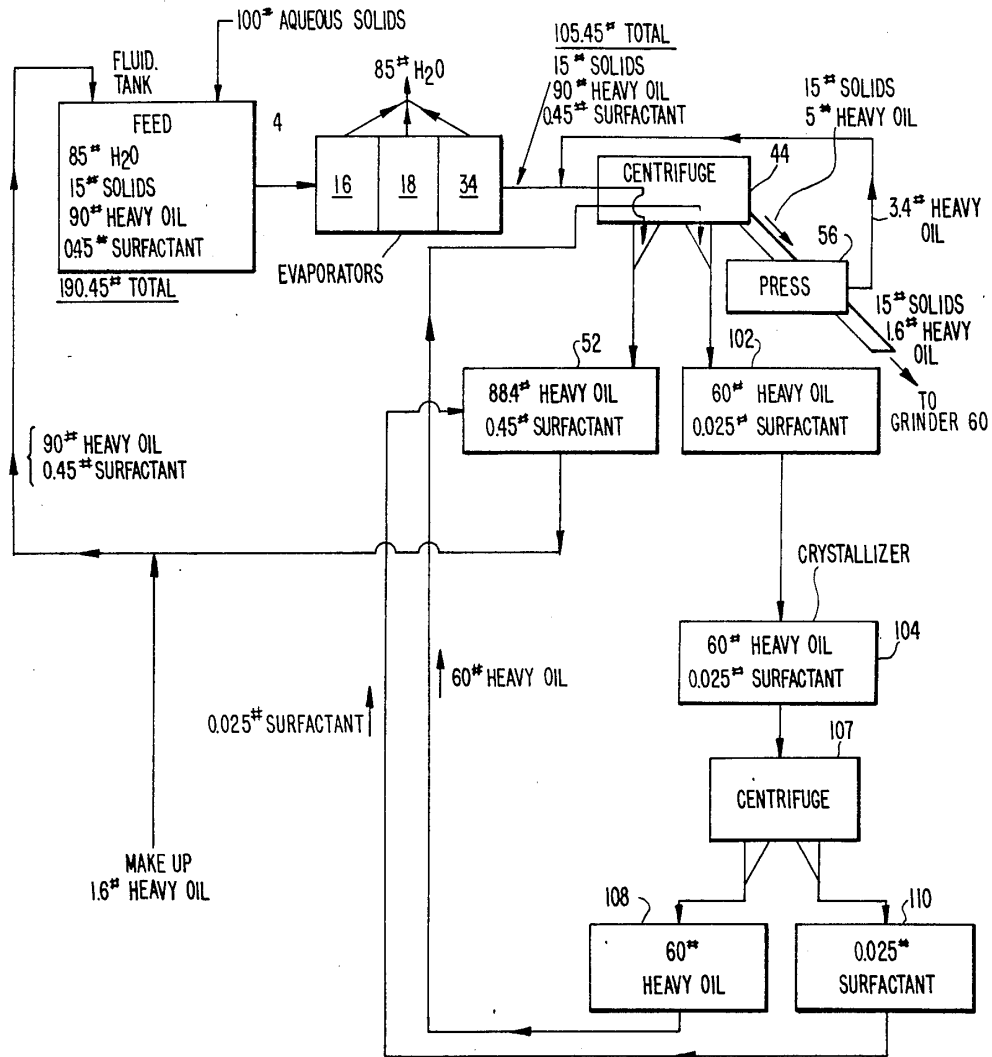


FIG. 3.

FIG. 4.
HEAVY OIL



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